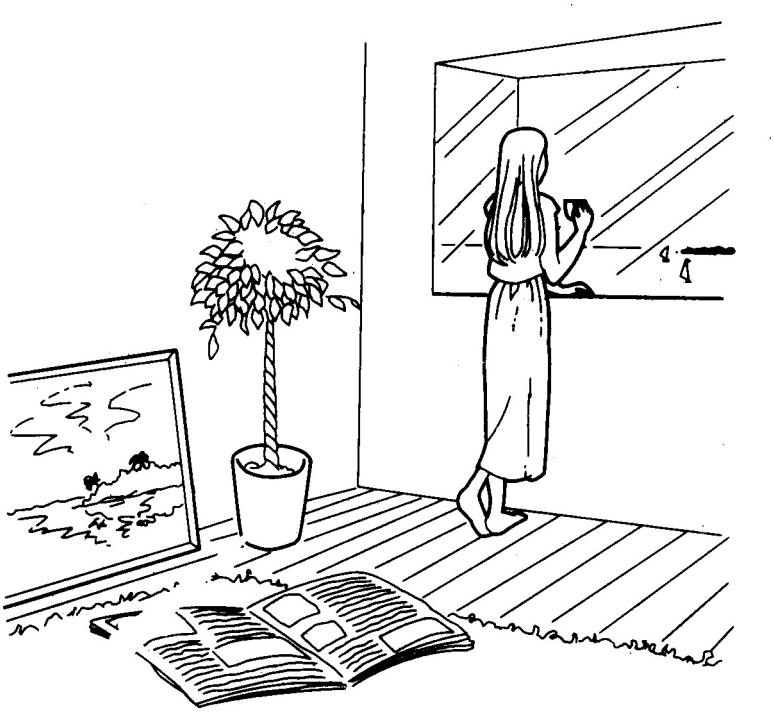
HITACHI
Inspire the Next

INSTRUCTION MANUAL

Rear Projection Color TV

C43-FD7000
C50-FD7000



- Thank you for your purchasing **HITACHI** projection TV products.
- In order to use the Rear Projection TV properly, please read this instruction manual carefully before using it.

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SAFETY TIPS

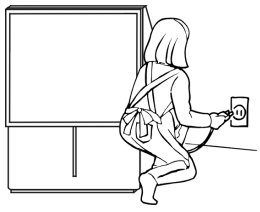
In order to use this TV safely, you must pay attention to the notice shown below.

This symbol indicates forbidden actions.

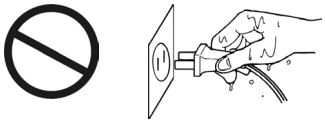
This symbol indicates additional cautions (including warning).

This symbol indicates required actions.

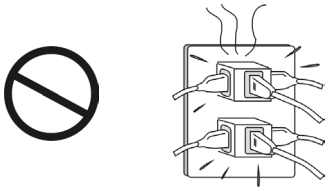
Refer to the Power Supply as indicated on the rating label pasted at the back of the TV set.
Do not use the TV outside the specified voltage range.
It may cause a fire or an electric shock.



Never insert or remove the power plug with wet hands.
This may cause electric shock.



- Do not overload wall outlets and extension cords as this can result in fire or electric shock.

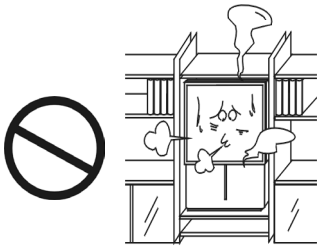


- Do not place any objects on the cord or allow it to overpass. If the cord or plug is damaged, please cut power supply immediately, then contact a service technician for inspection.

- Do not apply excessive force to the power cord.
- Do not allow the power cord to overheat as this may cause damage.
- Do not pull on the power cord when removing the plug from the outlet, please hold the plug firmly when removing it.

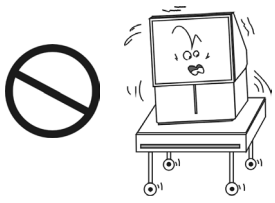
- Do not place the TV into a closet or bookshelf where the ventilation is poor.
- Do not cover the TV with cloth or other objects.
- Do not place the TV upwards, or on its side. Allow enough space between the TV and walls.

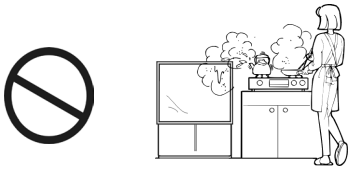
Ensure that there is sufficient ventilation and that vents are unobstructed to prevent the buildup of heat inside the TV, or else, it may result in a malfunction.

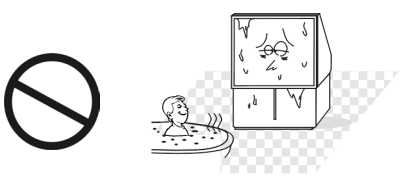


- Do not place the TV on an unstable cart, stand or table.
- Do not place the TV in an unstabilized location such as on a bed, sofa, etc.
- Do not use the TV in locations exposed to high humidity levels such as close to a bathtub, washbowl, kitchen, washing machine, swimming pool or moisture, etc.

Please always keep the TV in a dry place. If the TV gets damp, it may cause a malfunction.



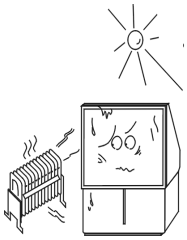


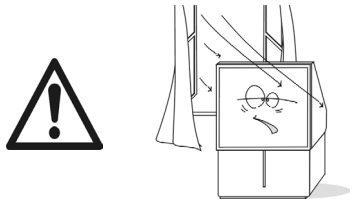


SAFETY TIPS

• Do not place the TV near heat source (such as a radiator, stove etc.) or a place where sunlight shines directly on the screen.

Overheating will cause failure of the TV.





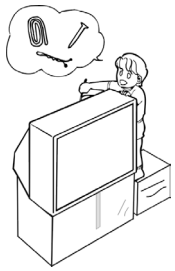
• Do not place the TV in a dusty place or exposed to rain. Since accumulated dust inside the chassis may cause failure of the set when high humidity persists.

• Do not place containers filled with liquids or other objects, e.g. house plant, vase, tea sets, etc.
In case liquids are spilled inside the TV， please remove the plug from the wall outlet immediately and contact a service technician.

In addition, if rubber or vinyl products remain in contact with the cabinet or screen of the TV for a long time, the TV surface may get damaged or a stain may result.

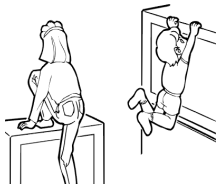
• Do not insert objects or pour water inside the TV from ventilation holes and other slots.

Be especially careful that children do not insert objects in the TV, such as coins, nails, clips, toys, etc.
If these objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.



• Do not climb or sit on top of the TV.

Do not stand or hang on top of the TV.
It may result in the TV falling over, damaging, the screen broken etc. or causing an injure.

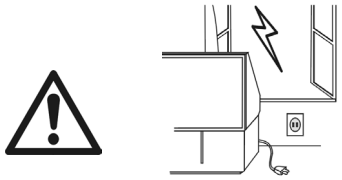


• Avoid any kind of impact to your television.
Be especially careful not to damage the screen face.

• Do not attempt to touch the screen, marks may result.

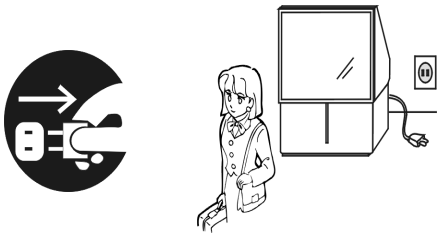
SAFETY TIPS

• In order not to damage the parts in the set, please unplug and remove the outdoor antenna connection during lightning storms.

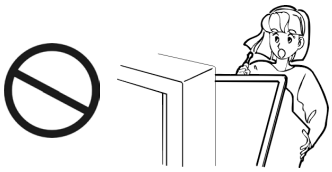


• When going out or your TV is set to remain unused for a long periods of time, please turn off the television and unplug it from the wall outlet.

Accumulated dust on the plug or the humidity may cause a fire or electric shock due to reduced insulation on it. So when the TV won't be used for a long period of time, be sure to remove the power plug from the wall outlet.



• Do not disassemble, repair or modify the TV by yourself.
To prevent shock, disassembling the cabinet or touching the parts inside the TV by other than professional person is prohibited.

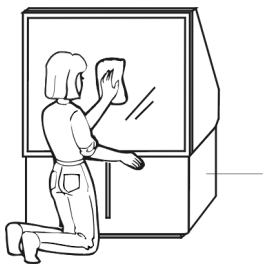


Precautions when moving;

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable, audio/video cable.
- Two people are at least required to move the TV due to the heave TV.
- Do not pass by any barrier forcibly, as it may mark floor surfaces if moved improperly.
- To prevent the TV being bumped or the screen damaged, be careful when moving.

Cleaning

1. Before cleaning the TV, remove the power plug from the wall outlet.
2. Do not use solvents such as volatile substances, diluent to clean the TV.
   These solvents may distort the cabinet and screen or damage its finish.
3. Do not use vacuum cleaner, polish, sand paper to clean the cabinet or screen of the TV.
4. If accumulated dust cover the cabinet or screen, please use a soft, dry cloth to clean.
5. Do not directly use liquid or an aerosol sprays to clean the cabinet of the TV.
6. Do not use the detergent directly on the TV if it is dirty.
   －Please use a clean soft cloth moistened with water to clean it.
   －Then wipe with a dry soft cloth.



SAFETY TIPS

Moisture Condensation

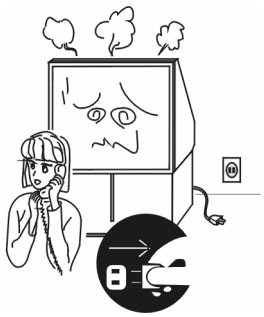
If the room temperature suddenly rises or falls (e.g. the TV is moved from a cool place to a warm place), condensation may occur on the screen or lenses resulting in picture fading or color distortion.
In such case, please wait a while, and the condensation will evaporate, meanwhile the sound and picture will be restored to normal.

• Precautions on stationary images

The aspect ratio of this TV set is 4:3. If you watch TV programs, please select such proportional active images, or by setting the aspect mode to display such proportional active images on your screen.

Avoid displaying stationary images on your screen for an extended period of time, bright and stationary patterns generated by computer displays, video games or multi window, etc. can cause permanently ingrained on the picture tube. Should you wish to display still images, it is always advisable to reduce the brightness and contrast settings.
This damage is not protected by your warranty as it is the result of misuse.

Maintenance



• If the set does not work properly, and you are unable to restore normal operation by following the “A guide to simple problem solving” section in your Instruction Manual, please unplug the set and consult service personnel.

• If the TV is dropped or the cabinet is damaged, remove the power plug immediately and contact a service technician for inspection.
• If smoke or strange smell come from the TV, please remove the power plug from the wall outlet immediately and contact a service technician for inspection.

BEFORE USING THIS REAR PROJECTION TV

Note

This is not an integrated digital TV. To watch digital broadcast programs (if available), you have to purchase a Digital Set-Top Box that will receive and decode digital broadcast signals and input to the TV via the component input terminals.

Location

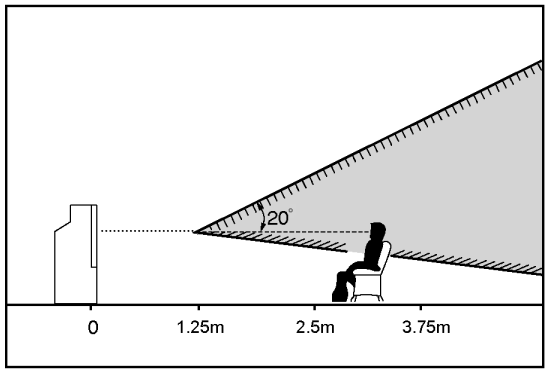
Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set.

Do not place the TV where temperature is excessively high, for example in direct sunlight or near a heating appliance, etc.

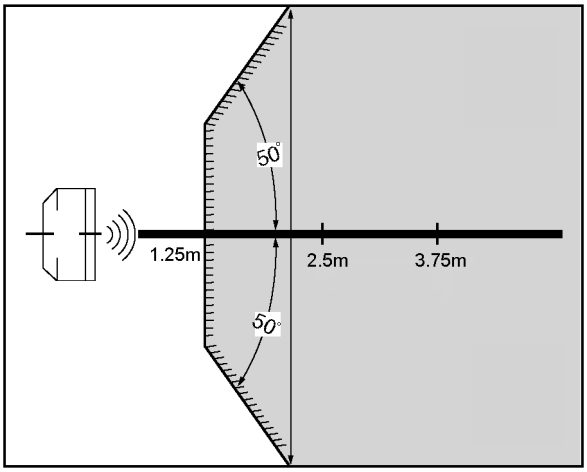
The best spot for viewing

The major benefit of the TV is its large viewing screen. To see this large screen at its best, please test various locations in the room to find the best spot for viewing. The following gives some suggestions.

The best picture and audio performance are obtained directly in front of the TV and about 2.5 to 4.5 meters from the screen. Picture brightness decreases as the viewer moves to left and right of the receiver.



Best vertical viewing angle



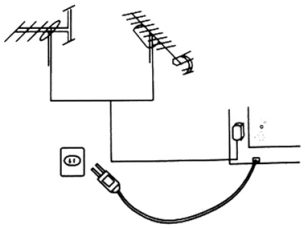
Best horizontal viewing angle

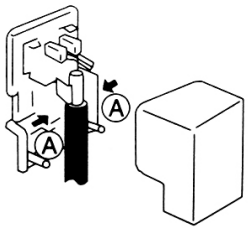
Note: Do not put magnetism source such as external stereo system close to the TV, as the picture distortion may occur under magnetism from the speakers. Please move the stereo system in locations where the picture will not be affected.

BEFORE USING THIS REAR PROJECTION TV

Connect the power cord and the antenna

Please read the rating label pasted at the back of the TV set carefully, and then insert the plug into the power outlet conformity to the rating label. Optimum reception requires that an outdoor aerial or CATV system must be used. Meanwhile, please note that a good antenna adaptor is necessary. See the following diagram.





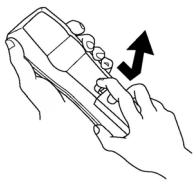
Precautions when connecting the antenna

① When you use an outdoor antenna instead of CATV system, avoid erecting in locations where there are elevated wires or other electrical circuit.
② When choosing an outdoor antenna make sure the groundings are correct.
③ Please use a coaxial cable that is free from interference to connect the antenna. Avoid using a parallel feeder wire as interference may occur, causing reception to be unstable and stripe noise to appear on the screen. For safety, install an external aerial conformity to AS 1417.1(in Australia only).
④ Clamp section A using pliers when installing the coaxial cable. If other types of adaptors are used, be sure that the core and shielding are good.
⑤ Avoid using indoor aerial as this may be affected by interference.
⑥ Keep the power cord as far away from the antenna wire as possible.

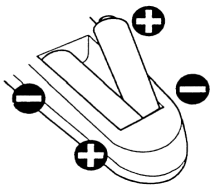
Insert the batteries

Insert the batteries into the remote control unit. Under normal use, the life of the batteries is approximately one year.

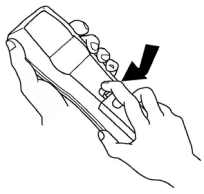
① Open the battery cover of the remote control unit by pushing the notched part of the cover with your fingers.



② Insert the batteries, paying special attention to their polarities.



③ Replace the cover.



Precautions when using the batteries

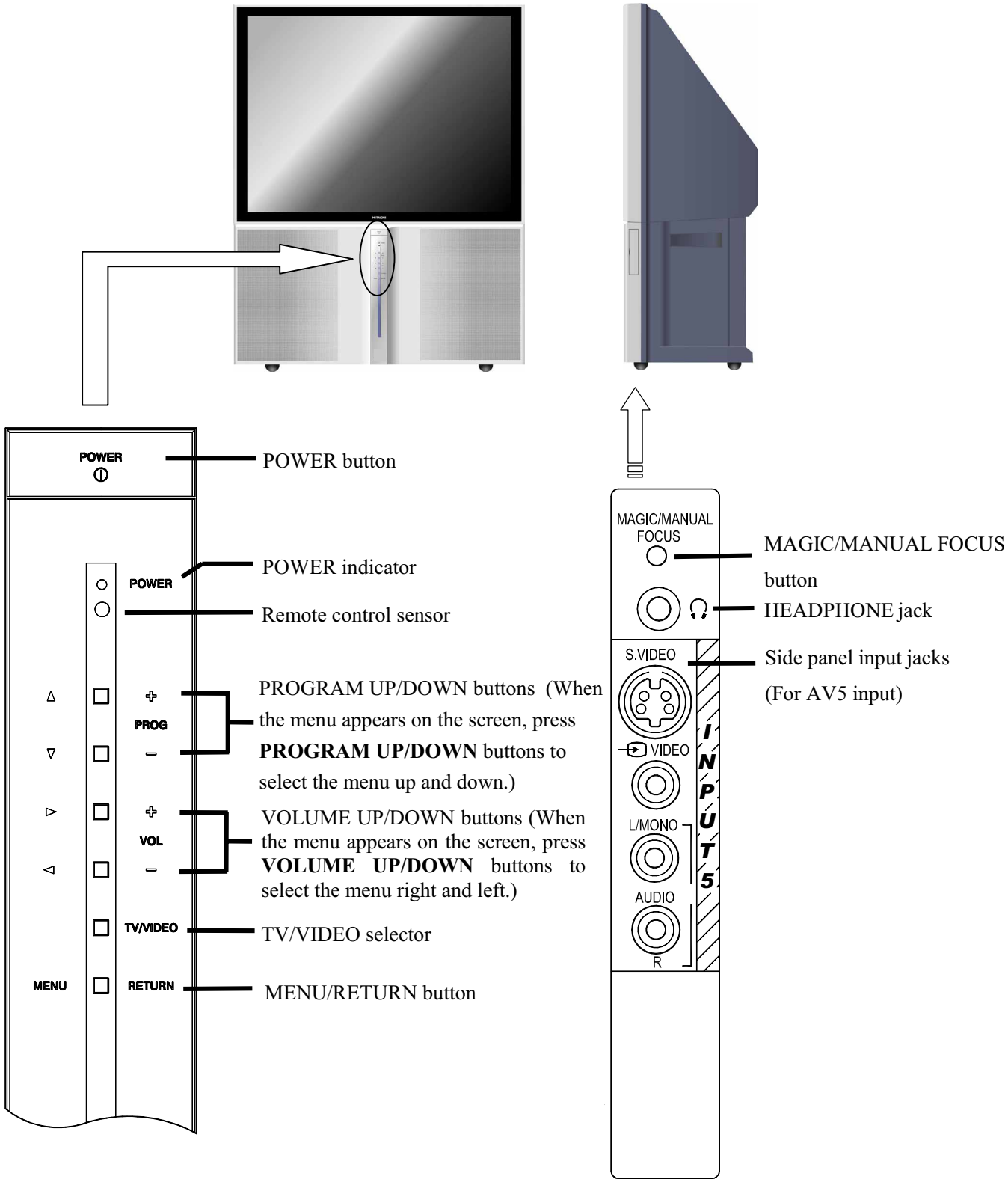
① Do not use old and new batteries together.
② Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.
③ Remove the batteries from the remote control unit if you do not intend to use the unit for long periods of time. Otherwise the batteries may leak and cause damage.
④ Do not throw the batteries into a fire.

Precautions when using the remote control unit

① Do not drop the remote control unit or subject it to physical shocks.
② Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
③ Replace the batteries with new ones when operation range of the unit shortened.

FUNCTIONAL PARTS

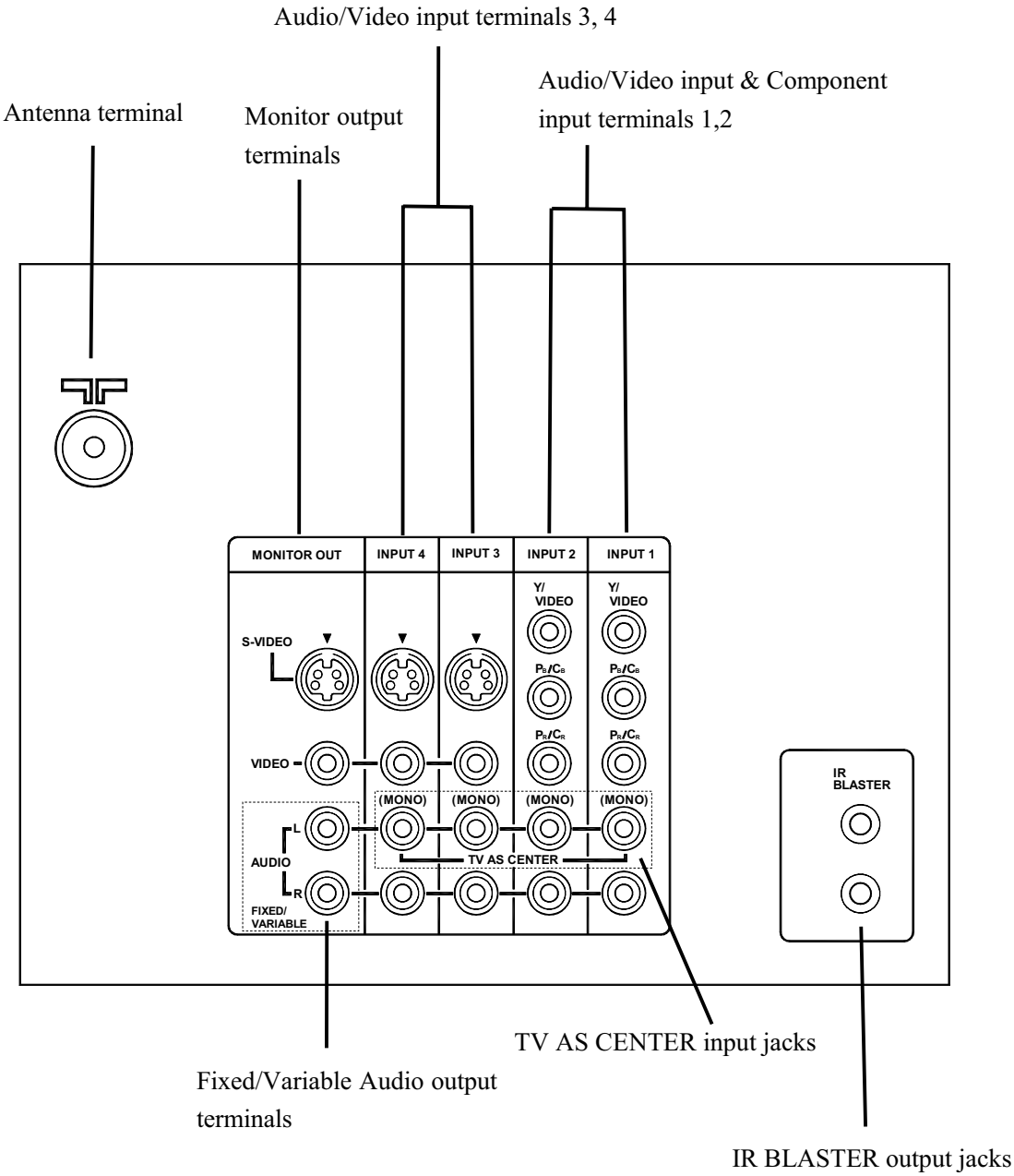
Control panel and side panel



Note: Before using these input jacks, please refer to the INSTRUCTION MANUAL on page 50.

FUNCTIONAL PARTS

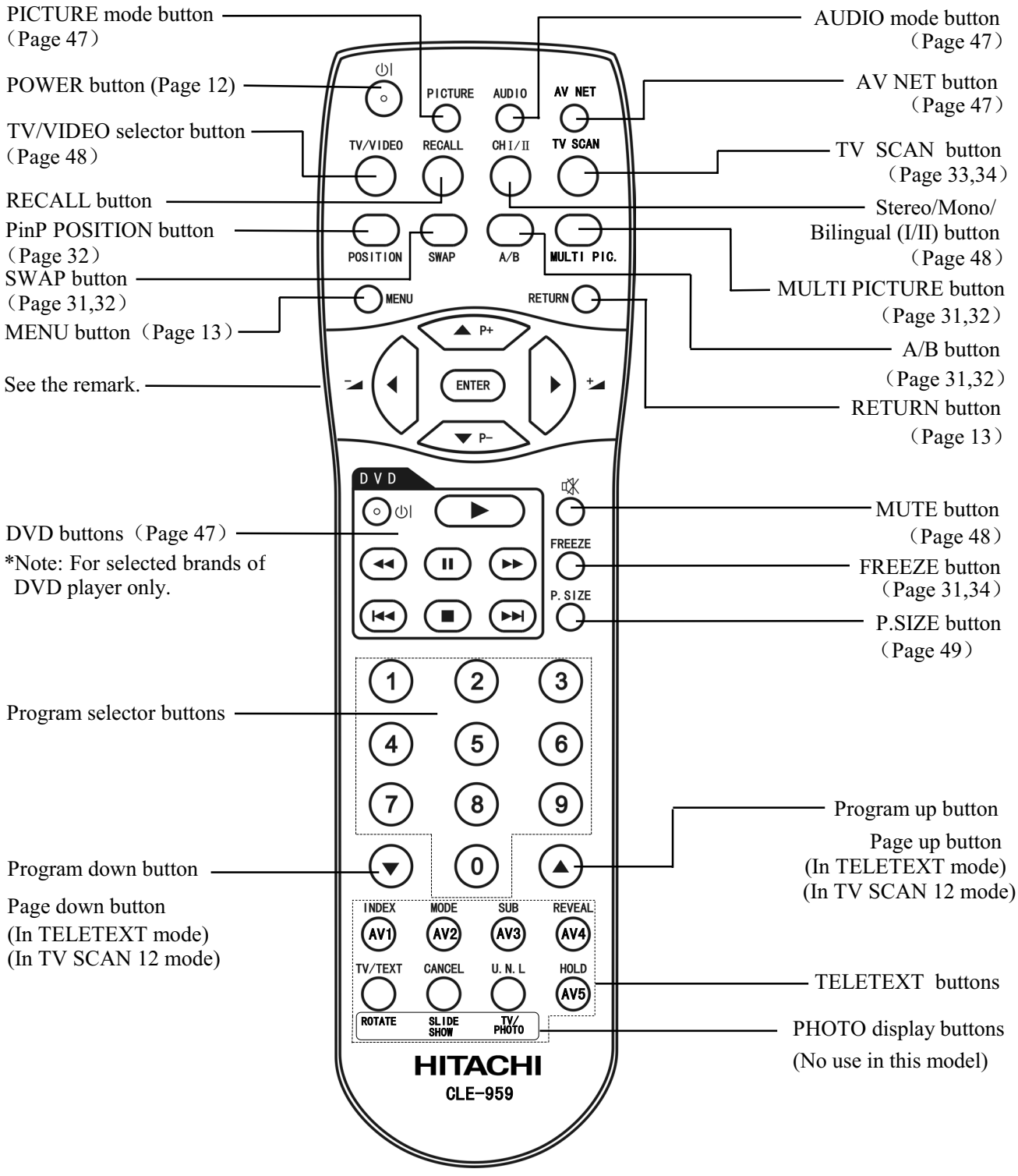
Rear panel



Note: Before using these rear panel jacks, please refer to the INSTRUCTION MANUAL on page 51 and 53.

FUNCTIONAL PARTS

On the remote control unit



Remark:

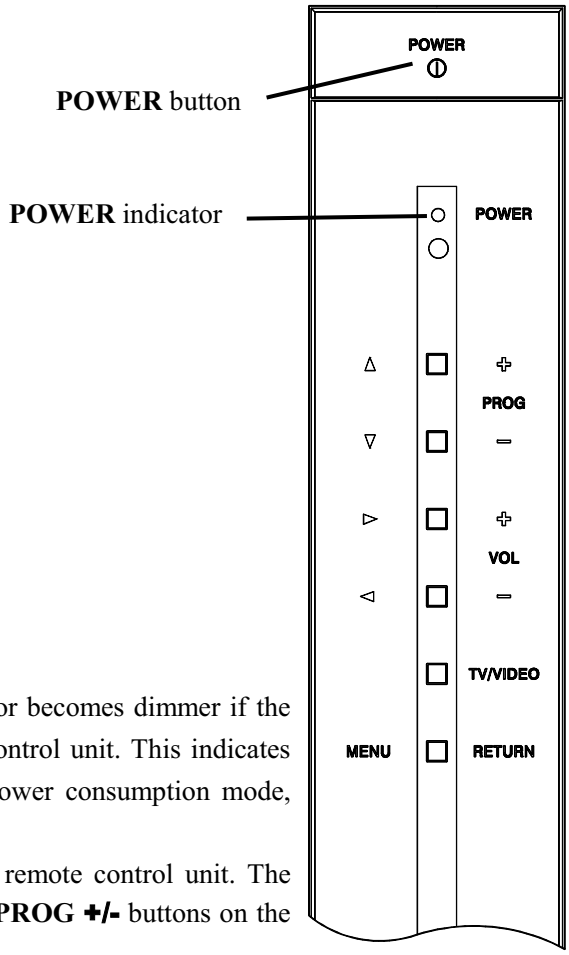
The **ENTER** button is used to set or confirm MENU, please see page 13 for details. The ▲P+ ▼P- ◀ ▶ buttons are used as up, down, left and right cursor buttons. Alternatively, ▲P+ / ▼P- can be used as program up and down buttons and ◀ / ▶ as volume down and up buttons. The characters "▲ ▼ ◀ ▶ cursor" shown in this instruction manual will be referring to the ▲P+ ▼P- ◀ ▶ buttons.

GETTING STARTED

Power on/off

TO TURN THE POWER ON

Press the **POWER** button on the TV set. The power indicator will light up to indicate that the power is on.



WHEN THE SET IS AT STANDBY

The TV will be in standby mode and the blue power indicator becomes dimmer if the TV set is turned off using the ⏻ button on the remote control unit. This indicates that the TV is not powered off completely and is in low power consumption mode, waiting for your new command at anytime.

You can turn on the TV set using the ⏻ button on the remote control unit. The picture will appear in a few seconds. You can also press the **PROG +/-** buttons on the front panel to turn it on.

TO TURN THE POWER OFF

Press the **POWER** button on the TV set to turn it off. The power indicator will go off.

CAUTION: If you are not going to use this set for a long time, turn off the set using the POWER button on the TV set and disconnect the plug from the power outlet.

GETTING STARTED

Instructions for operating menu

- Before watching the TV, please familiarize yourself with this method to use the menu function of this TV.
- Instructions in this manual are based on using the remote control unit. The words or symbols with frames refer to the buttons on the remote control unit.
- The Chinese characters on the TV screen are supplied by Rico Company. The logos and symbols used in this instruction manual are intended to for explanation purposes, they might differ from those shown on the TV.

1. **Menu:** After the power is on, press the **MENU** button to enter the menu screen which shows a list of optional main adjustment items, such as **Picture**, **Audio**, **Timer**, etc.
2. **Adjustment items:** After a main adjustment item is "selected" and "entered", the screen will enter into the selection and show a list of related optional sub-adjustment items. After a sub-adjustment item is "selected" and "entered", it may enter the next stage of sub-menu display until the last stage of the adjustment item is entered. When an adjustment item is selected, the characters of the adjustment item will be highlighted and usually accompany ► mark.

Common symbols in menu display

	Symbols	Description
1	Select	This symbol is displayed at the bottom of the menu, indicating that you can select the adjustment item on the menu by pressing the ▲ or ▼ cursor buttons on the remote control unit.
2	ENTER Set	This symbol is displayed at the bottom of the menu, indicating that you can enter the adjustment item highlighted by pressing the **ENTER** button on the remote control unit.
3	Set	This symbol is displayed at the bottom of the menu, indicating that you can adjust the selected item by pressing the ◄ or ► cursor buttons on the remote control unit.
4	⓪-⑨ Set	This symbol is displayed at the bottom of the menu, indicating that you can enter the number you desired when pressing the number buttons (**0** – **9**) on the remote control unit.
5	Reset	The characters **Reset** is displayed in the menu, indicating that you can return the current menu setting to the factory default setting by pressing the **ENTER** button on the remote control unit.
6	RETURN Return	This symbol is displayed on the menu, indicating that you can return to the previous page by pressing the **RETURN** button on the remote control unit.

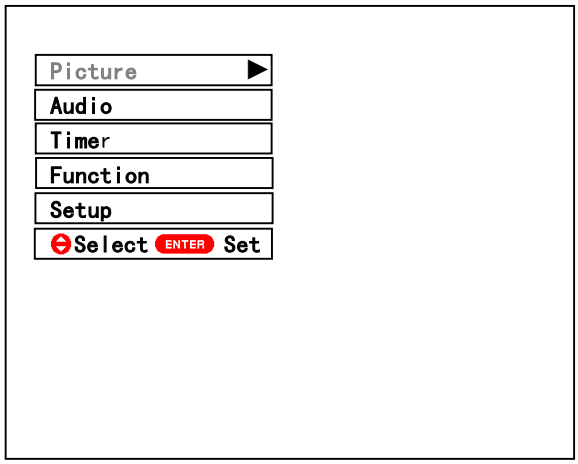
3. You can interrupt your menu operating and exit menu display mode by pressing the **MENU** button at any moment. In the process of menu display, the set will exit menu display mode if any new menu is not operated for a while.
4. If the item in the menu is shown in grey, it means that it can not be adjusted.

GETTING STARTED

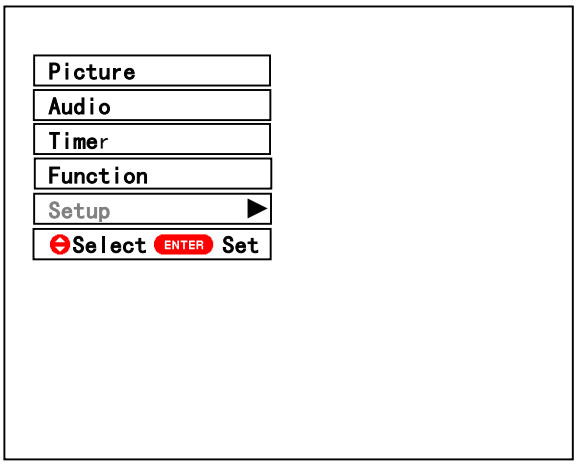
Selecting the on-screen display language

You can choose from two different languages (Chinese and English) for the on-screen displays. When necessary, you may change display language following the procedures below.

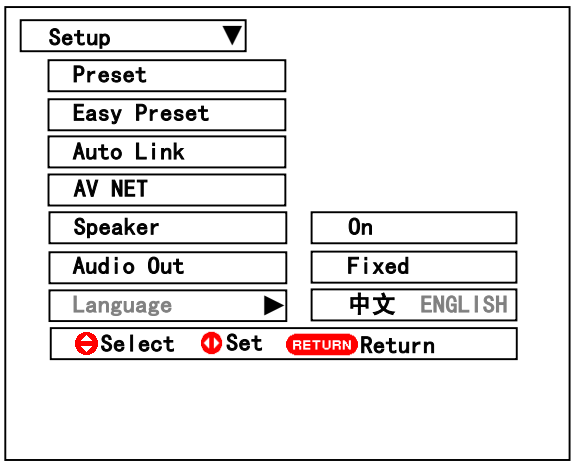
1 Press the **MENU** button to display menu as shown on the right.



2 Press the ▲ ▼ cursor buttons to select the **Setup** option as shown on the right.



3 Press the **ENTER** button to enter the **Setup** menu.
Press the ▲ ▼ cursor buttons to select the **Language** option (shown on the right), then press the ◀ ▶ cursor buttons to select the desired language: 中文(CHINESE) or **ENGLISH**.



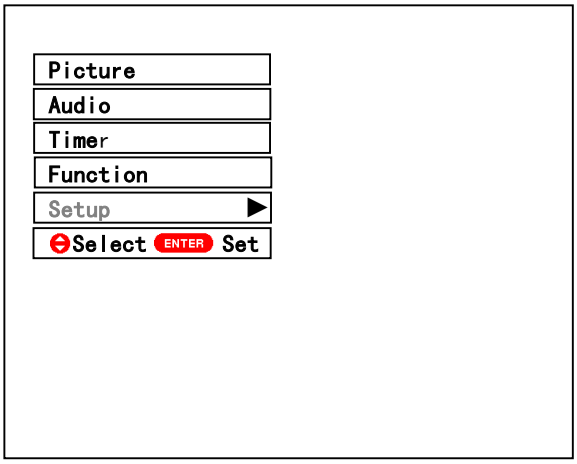
4 Press the **RETURN** button to return to the last stage of menu, or press the **MENU** button to quit.

GETTING STARTED

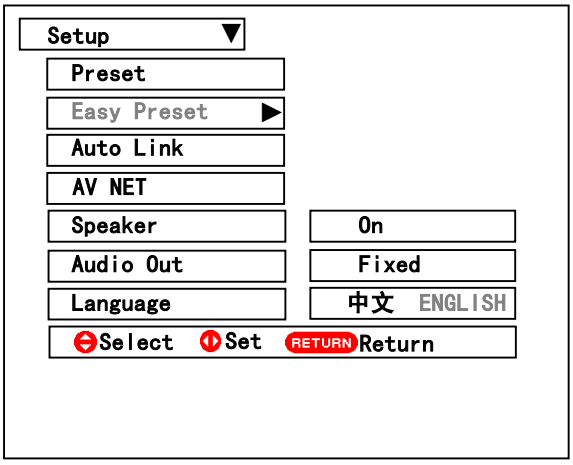
Easy Preset

It becomes convenient for the customers to program the TV using the remote control unit and detailed OSD of the TV set. Please follow the procedures below to start tuning.

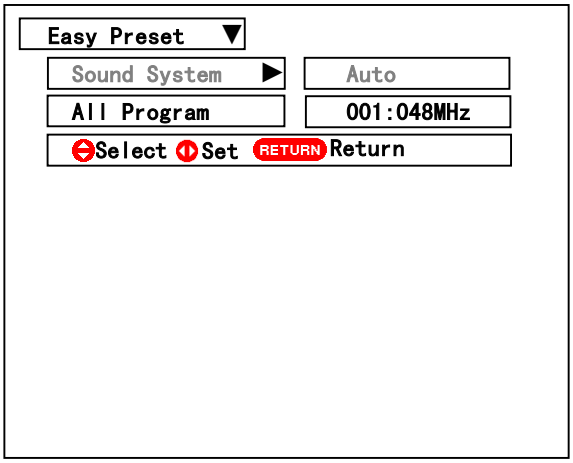
1 Press the **MENU** button to display menu. Press the ▲ ▼ cursor buttons to select the **Setup** option.



2 Press the **ENTER** button to enter the **Setup** menu.
Press the ▲ ▼ cursor buttons to select the **Easy Preset** option.



3 Press the **ENTER** button to enter the **Easy Preset** menu.
Press the ▲ ▼ cursor buttons to select the **Sound System** option, then press the ◀ ▶ cursor buttons to select the required sound system in your area or set it to the **Auto** mode (shown on the right).
Now press the ▲ ▼ cursor buttons to select the **All Program** option, then press the **ENTER** button to begin the auto tune procedure. The character **Searching** appears at the bottom of menu, and the TV will begin the auto search procedure and store all signals available in the area or CATV.
You can interrupt it by pressing the **ENTER** button in the process of searching.



The set will exit menu display mode automatically after searching is finished.

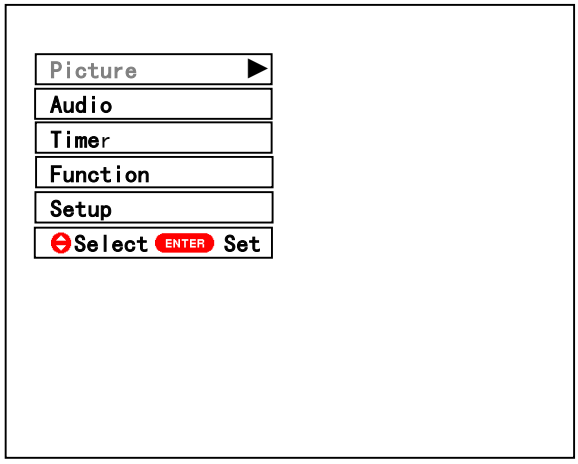
Notes: (1) If you want to arrange the programs obtained by **All Program**, please refer to the **Tuning** section on page 21.
(2) If your equipment (such as VCR, GAME MACHINE) only has RF output, connect it with RF cable into the antenna input of the TV set, and refer to the **Tuning** section on page 21 for presetting.
(3) When you are in video mode (AV1, AV2, etc.), accessing the **Easy Preset** menu will enable the TV to switch to RF mode automatically. This is normal.

ON-SCREEN DISPLAY MENU【PICTURE MENU】

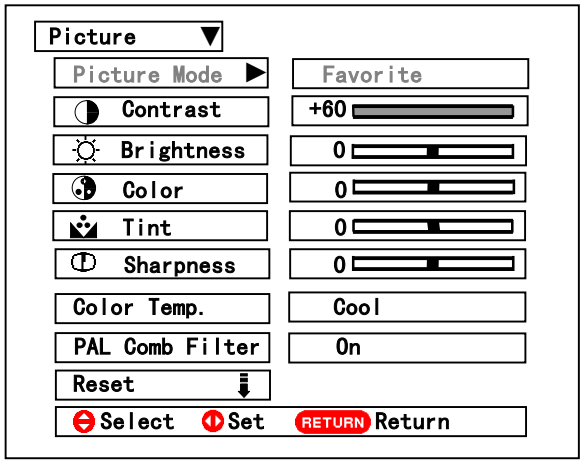
Picture Menu

Picture menu allows you to adjust various picture settings such as brightness, color, contrast and sharpness, including the settings of color temperature, dynamic contrast, etc. Follow the steps below.

1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Picture** option as shown on the right.



2 Press the **ENTER** button to display the **Picture** menu as shown on the right.
This is the first page in the **Picture** menu, providing 4 different picture modes (**Dynamic**, **Natural**, **Theater**, **Favorite**). Press the ◀ ▶ cursor buttons to select. We suggest that you try every item to obtain the desired picture effect.
To set the picture effect you desired, press the ▲ ▼ cursor buttons to select the adjustment item, and then press the ◀ ▶ cursor buttons to adjust.

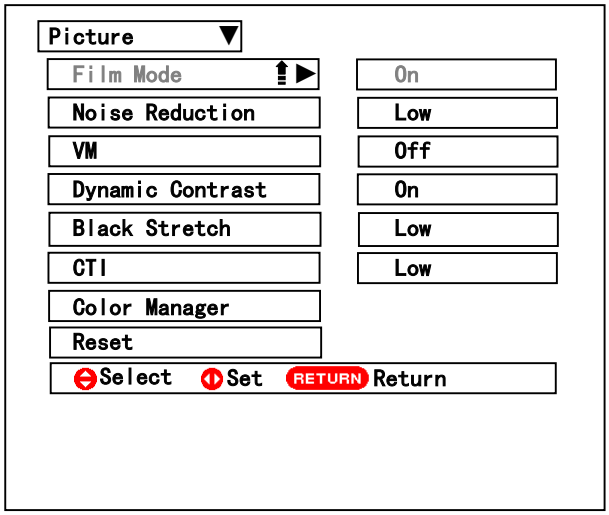


Note:

（1）Press the **PICTURE** button on the remote control unit, you can switch among the above four picture modes easily.
（2）Only when receiving NTSC signals or Y, PB/CB, PR/CR inputs, the **Tint** option can be adjusted.
（3）Only when receiving PAL system, the **PAL Comb Filter** option is set to **On** or **Off**; when receiving other systems, the comb filter is automatically set.
（4）If the **Reset** option is selected and confirmed by pressing the **ENTER** button, the current setting on the menu will return to the factory setting.
（5）For **AV1～AV5** inputs, different picture modes can be set individually.

ON-SCREEN DISPLAY MENU【PICTURE MENU】

3 Press the ▼ cursor button until the second page in the **Picture** menu appears shown on the right. These settings allow you to enhance or improve the visual condition of the picture.



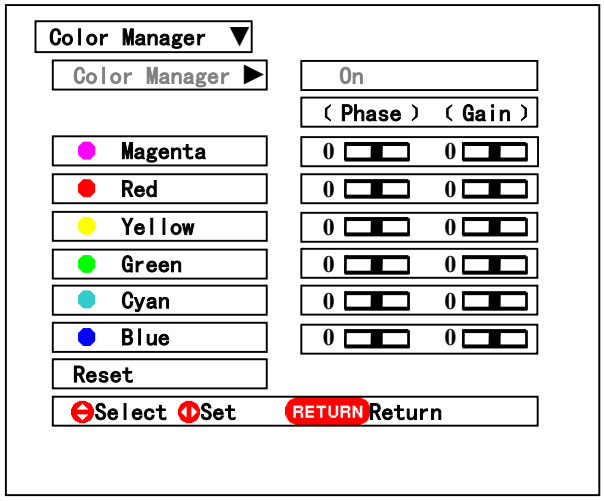
Note:（1）If **Noise Reduction** is set to **High** or **Low**，the item of **Sharpness** can not be adjusted.

（2）While **Film Mode** is on, your projection TV will activate the circuitry for special feature to improve the video performance when viewing film based sources.

（3）When **HD** or **Progressive** signals are input，**Film Mode** option will not be adjusted.

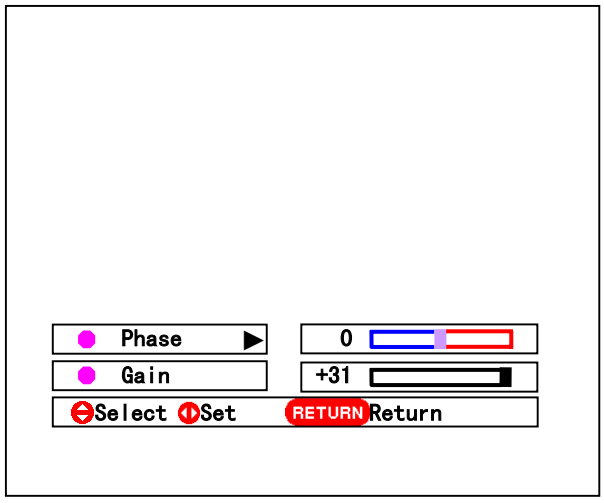
4 Repeatedly press the ▼ cursor button as shown on the top right to select the **Color Manager** option, then press the ▶ cursor button to display the menu as shown on the right.

When the **Color Manager** option shown on the right is set to **On**, you can adjust and balance their individual color for your personal preference to obtain the deeper and purer color effect.



If the option of **Reset** was selected and press the **ENTER** button, the **Color Manager** menu will resume the factory setting default.

Each color in the menu provides two options (Phase and Gain). Press the ▲ ▼ cursor buttons to select the adjustment item, and then press the ◀ ▶ cursor buttons to adjust.

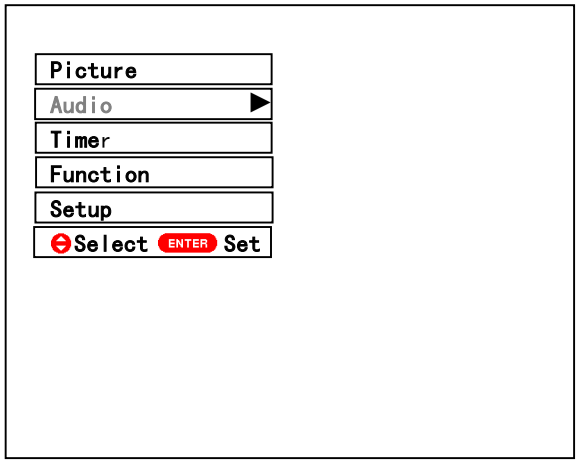


ON-SCREEN DISPLAY MENU【AUDIO MENU】

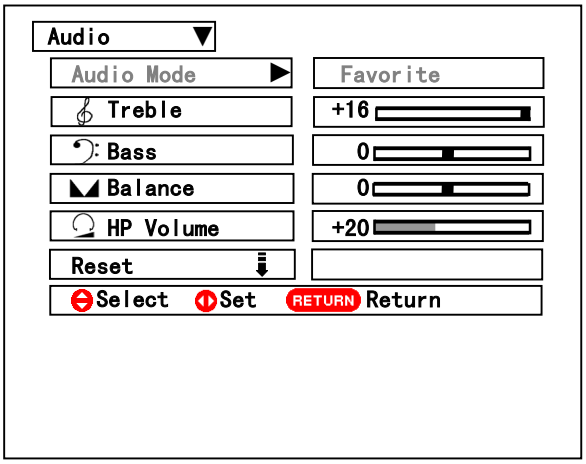
Audio Menu

Audio menu allows you to adjust various sounds, for example, treble, bass, balance and headphone volume, etc. including the settings of surround effect, perfect volume, etc. Follow the steps below:

1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Audio** option (shown on the right).

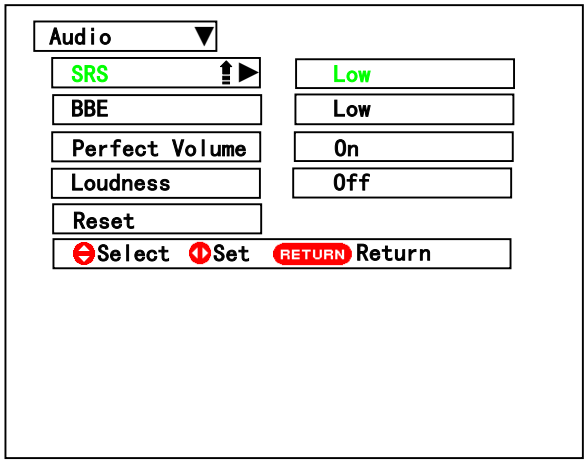


2 Press the **ENTER** button to enter the first page of the **Audio** menu as shown on the right.
This is the first page in the **Audio** menu, providing 4 different audio modes (**Theater, Music, Narration** and **Favorite**). Press the ◀ ▶ cursor buttons to select. We suggest that you try every item to obtain the desired sound effect.
If you want to select your desired sound effect, press the ▲ ▼ cursor buttons to select the item to be adjusted, then press the ◀ ▶ cursor buttons to adjust.
During the process of adjustment, the indicator will move left or right, allowing you to know the state of adjustment.



Note:
Press the **AUDIO** button on the remote control unit, you can switch among the above four audio modes easily.

3 Press the ▼ cursor button until the second page in the **Audio** menu appears as shown on the right. These settings allow you to enhance or improve the sound effect.



Note:
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SRS technology is incorporated under license from **SRS Labs, Inc.**

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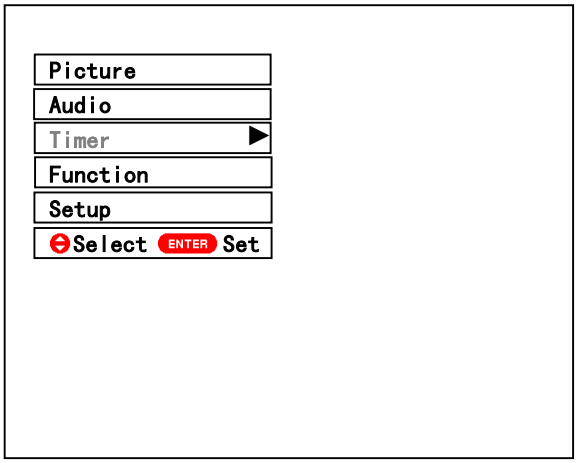
ON-SCREEN DISPLAY MENU【TIMER MENU】

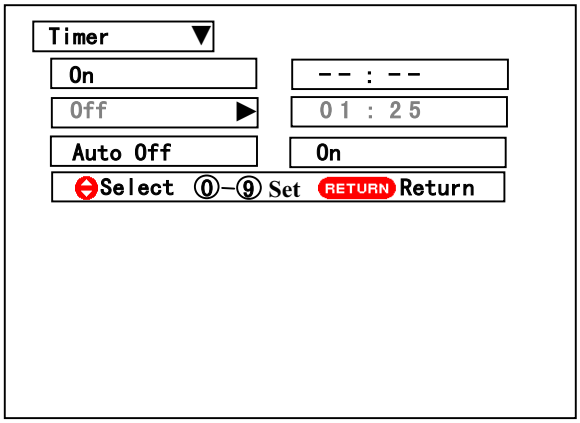
Timer Menu

The **Timer** function for this TV uses a countdown timer system. It features **On Timer**, **Off Timer** and **Auto Off**.

1 Press the **MENU** button to display the menu.
Press the ▲ ▼ cursor buttons to select the **Timer** option as shown on the right.



2 Press the **ENTER** button to enter the **Timer** menu as shown on the right.
The adjustment items are shown below:



Off Timer

Example： To turn off after 1 hour and 25 minutes.
Press the ▲ ▼ cursor buttons to select the **Off** option. Press number buttons to enter the specified amount of time (the maximum time is 23:59), input the hour, then input the minute, i.e.01:25 (shown on the right). Timer starts countdown after quitting the **Timer** menu. After 1 hour and 25 minutes, the TV will go into standby mode.

Note: For sake of safety, after setting **Off Timer**, if the power is turned off or power supply is turned off accidentally before the set time elapses, the TV will be in standby mode when you restart the TV.

On Timer

The setting of **On Timer** is similar to that of **Off Timer**. After **On Timer** is set, please turn off the TV by pressing the ⏻ button on the remote control unit to allow the TV entering countdown mode, when the power indicator on the front of the TV will be blinking. This is normal. The power is turned on when the set time has elapsed.

Notes: 1) If turning off the power using the **POWER** button on the front panel, **On Timer** will not work.
2) If the power is turned off by pressing the **POWER** button on the front panel before the set time is approaching or the power supply is turned off accidentally, the TV will be in standby mode when you restart the TV.
3) If there is no operation for 2 hours after the power is turned on by the **On Timer** function, the power then turn off automatically and the TV will be in standby mode.

Auto Off

If **Auto Off** set to **On**, when there is no more broadcasting transmission and no signal is detected, the TV will go into standby mode automatically in 60 minutes. If **Auto Off** set to **Off**, it will cancel the function.

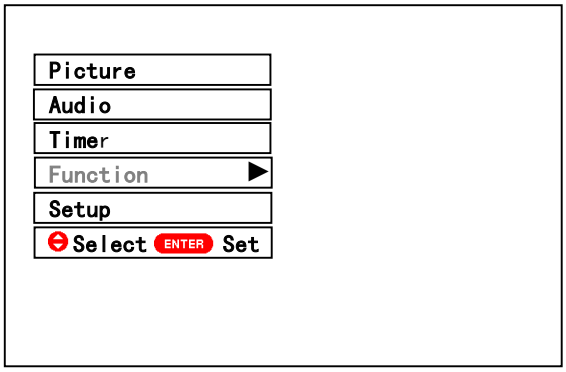
Notes: 1) **Auto Off** is only valid if no signal transmission is received from the antenna terminals.
2) Within 60 minutes after no signal is detected, switching TV to any channel with signal will cancel the **Auto Off** function.

ON-SCREEN DISPLAY MENU【FUNCTION MENU】

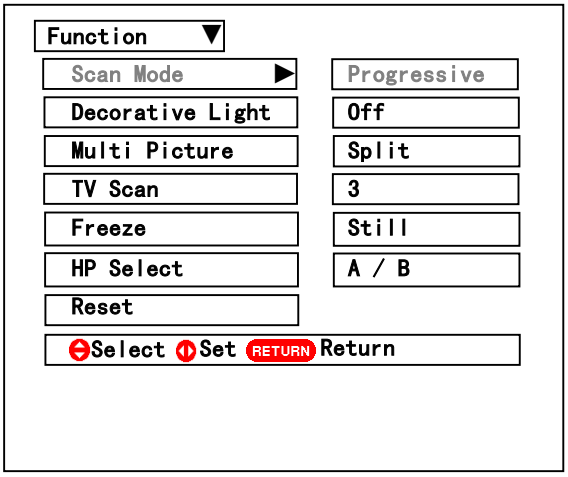
Function Menu

Function menu allows you to select scan mode, decorative light on the front panel and multi picture mode, etc. Follow the steps below:

1 Press the **MENU** button to display the menu.
Press the ▲ ▼ cursor buttons to select the **Function** option shown on the right.



2 Press the **ENTER** button to enter the **Function** menu.
Press the ▲ ▼ cursor buttons to select the **Scan Mode** option (shown on the right).



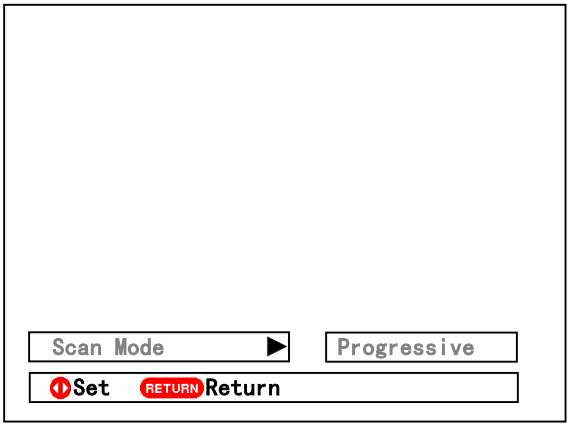
3 Press the **ENTER** button to enter the **Scan Mode** menu. (shown on the right)
You can press the ◀ ▶ cursor buttons to select different scan modes to improve picture effect.

（1）For **PAL** or **SECAM** system，you can select scan mode from **100Hz,Virtual HD** or **Progressive**.

（2）For **NTSC** system, you can select scan mode from **Virtual HD**, **Progressive**.

（3）When the input signal format is **480p** signal, the scan mode setting is in **Progressive**.

（4）When the input signal format is **576p** signal, you can select scan mode from **100Hz** or **Progressive**. The **100Hz** mode can eliminate flicker.



（5）When the input signal format is **1080i/60** or **720p/60** HD signal, the scan mode setting is in **HD**.

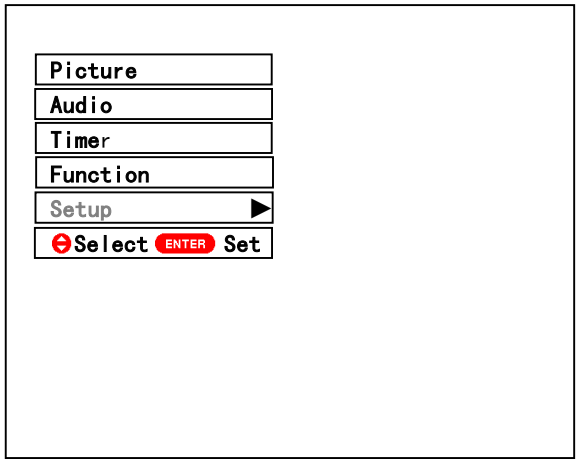
（6）When the input signal format is **1080i/50** HD signal, you can select scan mode from between **100Hz** or **HD.** The **100Hz** mode can eliminate flicker.

1. If the **Decorative Light** option on the **Function** menu is selected, you can turn the blue lighting on the control panel **On** or **Off**. When the TV is in standby or the power is off, the lighting on the front panel always went out.
2. If the **Multi Picture** or **TV Scan** option on the **Function** menu is selected, please refer to page 31-34.
3. If the **Freeze** option on the **Function** menu is selected, you can select from two different modes (**Still** and **Strobe**). Please refer to page 31 and 34.
4. If the **HP Select** option on the **Function** menu is selected, please refer to page 31 and 32.

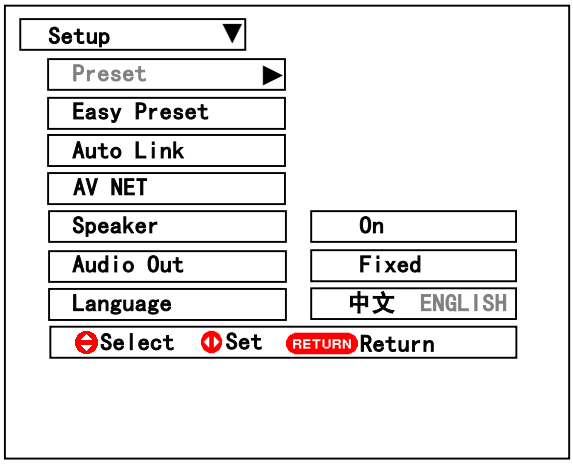
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset: Tuning】 You can perform search, skip, color system, sound system, program name,etc. on the **Tuning** menu. When the **Easy Preset** tuning is not desirable, you can adopt the following method to select programs.

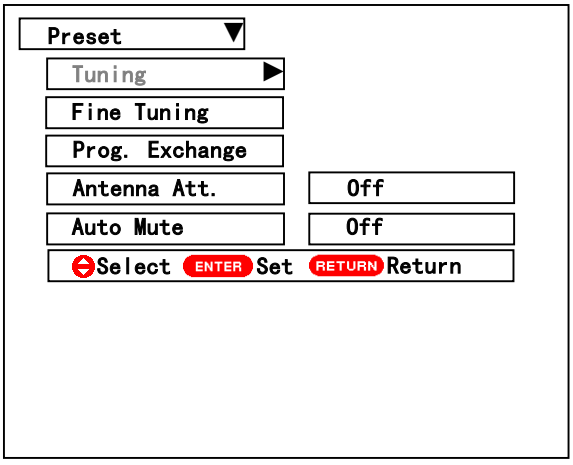
1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Setup** option as shown on the right.



2 Press the **ENTER** button to enter the **Setup** menu.
Press the ▼ cursor button to select the **Preset** option as shown on the right.

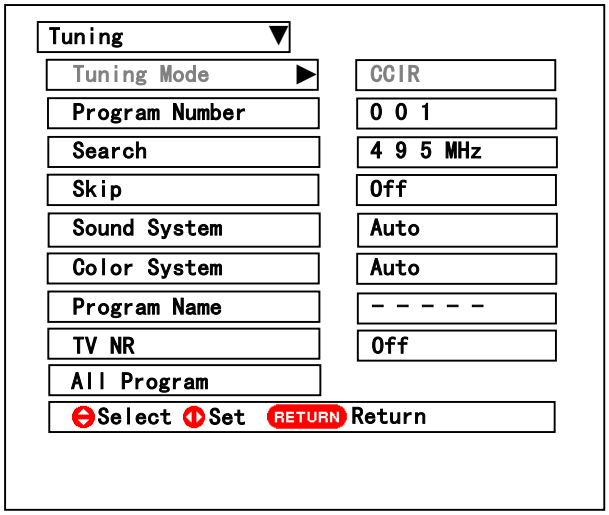


3 Press the **ENTER** button to enter the **Preset** menu.
Press the ▼ cursor buttons to select the **Tuning** option as shown on the right.



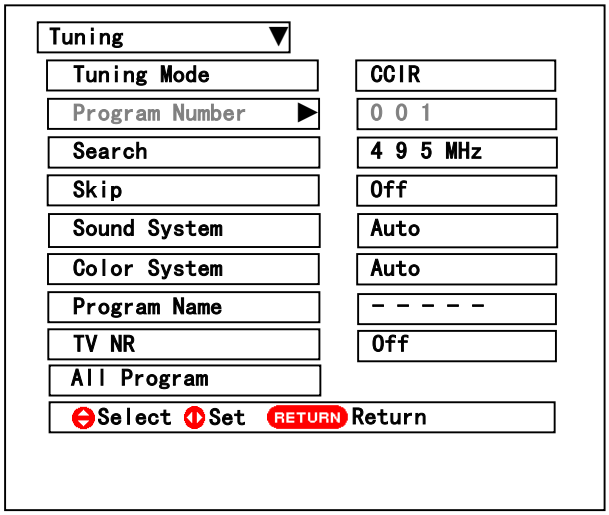
ON-SCREEN DISPLAY MENU【SETUP MENU】

4 Press the **ENTER** button to enter the **Tuning** menu as shown on the right.
Press the ▲ ▼ cursor buttons to select **Tuning Mode**. Select the channel receiving mode in your region using the ◀ ▶ cursor buttons. For example, in Singapore, please select **CCIR** on the menu.



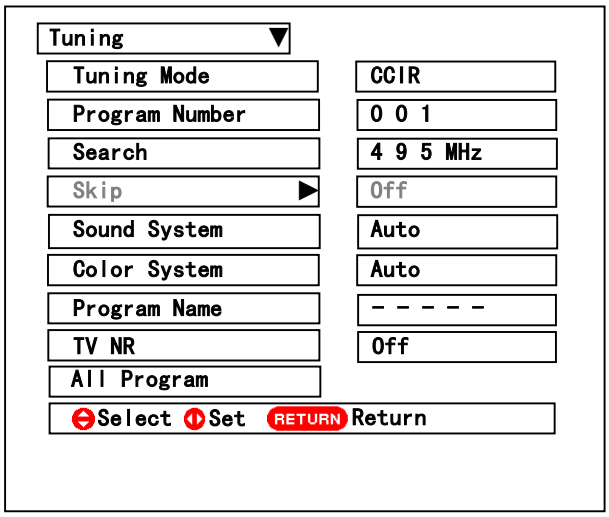
Note:
If without **CCIR** and **China**, you can select **Freq.** to tune.

5 Press the ▲ ▼ cursor buttons to select the **Program Number** option as shown on the right.
Choose a particular program number by pressing the ◀ ▶ cursor buttons or directly enter the program number buttons, for example,001,002……199,etc.Then press the ▼ cursor button to select the **Search** option, press the ▶ or ◀ cursor button, the TV will begin searching automatically forward (high frequency) or backward (low frequency) until adjacent broadcast is found. You can also continue pressing the ◀ or ▶ cursor button to search the channel until the desired channel is available.



In this way, you can manually select the desired program easily. Also, you can receive programs from RF output terminal of some equipment.
Also, you can receive AV program using a particular **Program Number**. Select the **Search** option and press the **TV/VIDEO** button on the remote control unit to select AV1, AV2, etc. If you do not want to preset AV program, please press the **ENTER** button on the remote control unit to quit the AV program setting.

6 Select **Skip** using the ▲ ▼ cursor buttons (shown on the right). The **Skip** option in the menu allows you to skip those programs you do not like, for example, some repeated programs or programs with weak signal, etc. When **Skip** option is set to **On** using the ◀ ▶ cursor buttons, it will skip these programs automatically if you are to select the channels by the **Program up/down** buttons.
Skipped program numbers can be still accessed by selecting the appropriate number buttons.
After accessing the skipped program number, you can access the menu to reset the **Skip** option.

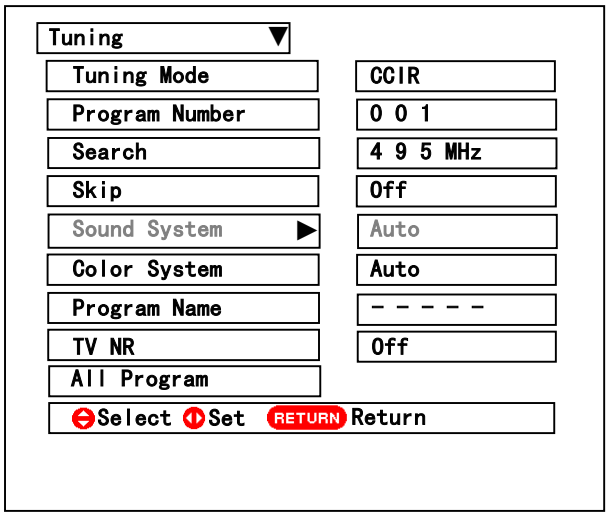


ON-SCREEN DISPLAY MENU【SETUP MENU】

7 The **Sound System** option in the **Tuning** menu allows you to select between various sound systems i.e. **Auto**, **4.5**, **5.5**, **6.0** or **6.5** (**Note:** Here the unit **MHz** is omitted.).

Press the ▲ ▼ cursor buttons to select the **Sound System** option, then press the ◀ ▶ cursor buttons to select various sound systems as shown on the right.

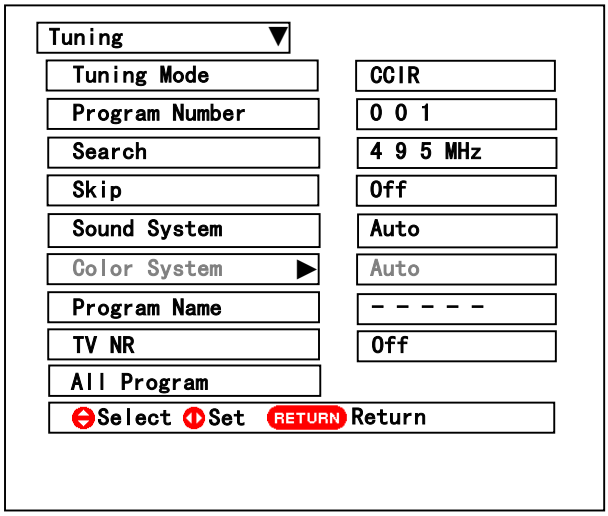
Auto is recommended, as this will automatically determine what system is being broadcast.



8 The **Color System** option in the **Tuning** menu allows you to select different color systems i.e. **Auto**, **PAL**, **SECAM, NTSC4.43** or **NTSC3.58**.

Press the ▲ ▼ cursor buttons to select the **Color System** option, then press the ◀ ▶ cursor buttons to select different color systems as shown on the right.

Auto is recommended, as this will automatically determine what system is being broadcast. However, some weak broadcast signals might cause incorrect judgment by the TV and it may become necessary to allocate a particular system to that program number.

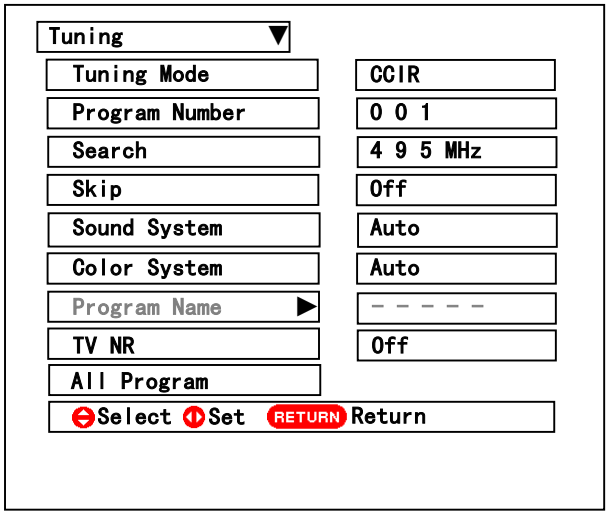


Note: Please set **Color System** to **Auto** when receiving signal without color burst.

9 **Program Name** in the **Tuning** menu is used to give each program a name easy to recognize. The detail steps are shown below:

Press the ▲ ▼ cursor buttons to select the **Program Name** option, then press the ▶ cursor button to select the letter to be changed from the left to right. When the letter is selected, press the ▲ ▼ cursor buttons to select the desired letter.

When you select a program that has been named, the program No., name and others will appear on the top right corner of the screen. Also, you can press the **RECALL** button to display the above.



Note:

(1) The letters above include 39 letters such as *, －, SPACE, 0-9, A-Z, etc.

(2) When [- - - - -] appears in the **Program Name**, indicating that the program is not named.

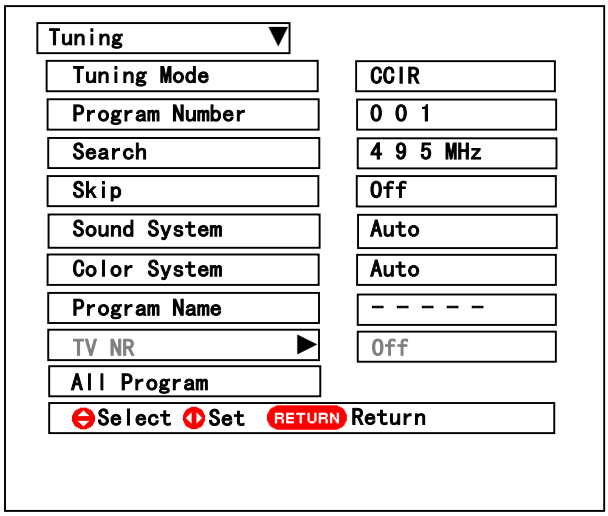
(3) Try to avoid using all spaces to name the program.

10 If the noise in the picture are bigger resulted from the weaker RF signals from some channels, you can reduce such occurrence by using **TV NR** function.

Press the ▲ ▼ cursor buttons to select the **TV NR** option and then press the ◀ ▶ cursor buttons to select **Off**, **Low** and **High** these three options for turning off noise reduction function, low noise reduction range and high noise reduction range.

Different channels can set independently.

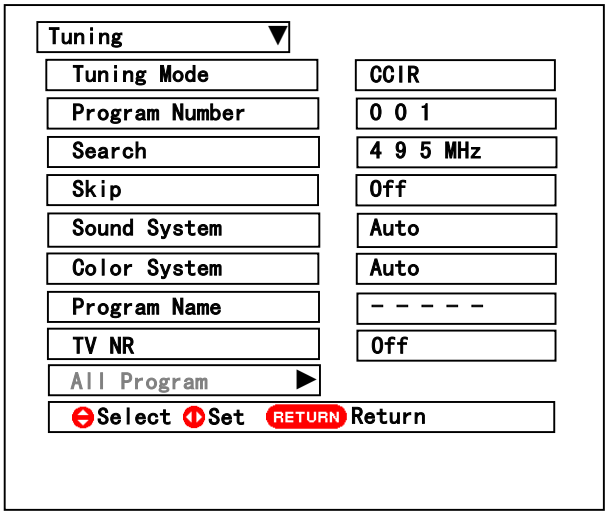
Note: This option is valid only for RF signal from antenna.



11 **All Program** in **Tuning** menu can automatically search all available frequencies and store all stations available to the program numbers starting from the current program No.

Press the ▲ ▼ cursor buttons to select the **Program Number** option on the menu, press the ◀ ▶ cursor buttons or number buttons to select program No.

Press the ▲ ▼ cursor buttons to select the **All Program** option as shown on the right. Then press the **ENTER** button to begin the auto tune procedure. The letter **Searching** appears at the bottom of the menu, and the TV will be now searching all frequencies and store all stations to the program numbers starting from the **Program Number** selected.



In the process of searching, press the **ENTER** button to quit.

After completing the searching, the TV will quit the menu automatically.

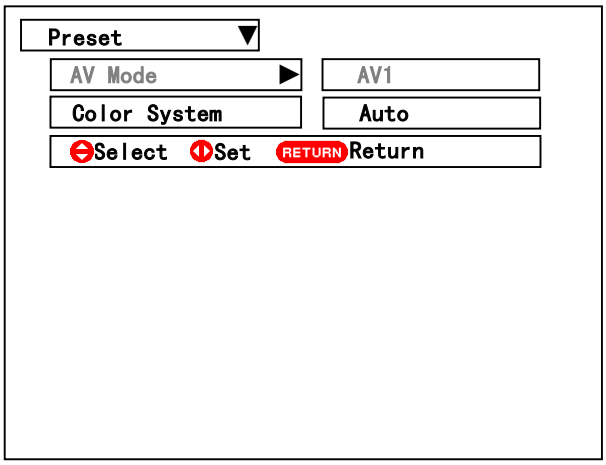
AV PRESETTING

Press the **TV/VIDEO** button to switch the picture to the AV mode.

Enter the **Preset** menu to display the menu as shown on the right. Press the ▲ ▼ cursor buttons to select the **AV Mode** option and the ◀ ▶ cursor buttons or the **TV/VIDEO** button to select **AV1**, **AV2**, **AV3**, **AV4** or **AV5**.

Press the ▲ ▼ cursor buttons to select the **Color System** option, then press ◀ ▶ cursor buttons to select **Auto**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58.**

If the picture in AV mode is abnormal resulted from incorrect color system, you can use the **Color System** option to select the correct system.

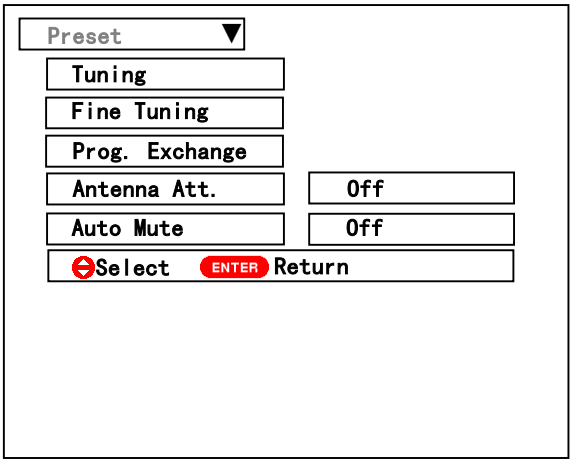


When receiving component signal (Y, P_B/C_B, P_R/C_R) from INPUT1 or INPUT2 terminal, the picture will not change though the **Color System** option above are changeable. This is normal.

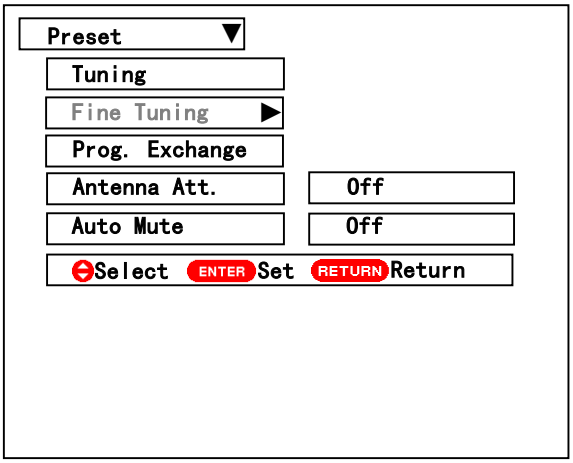
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset： Fine Tuning】 It is unnecessary to fine tune in normal receiving condition. However, fine tuning is required in some areas where the broadcasting signals are weak. Follow the steps shown below.

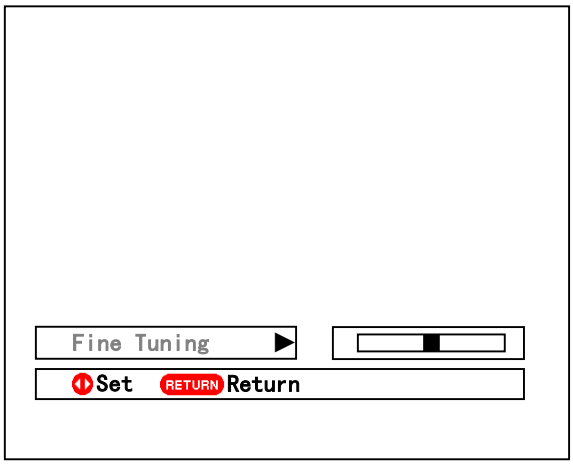
1 Follow the steps on page 21 to enter the **Preset** menu, as shown on the right.



2 Press the ▲ ▼ cursor buttons to select the **Fine Tuning** option as shown on the right.



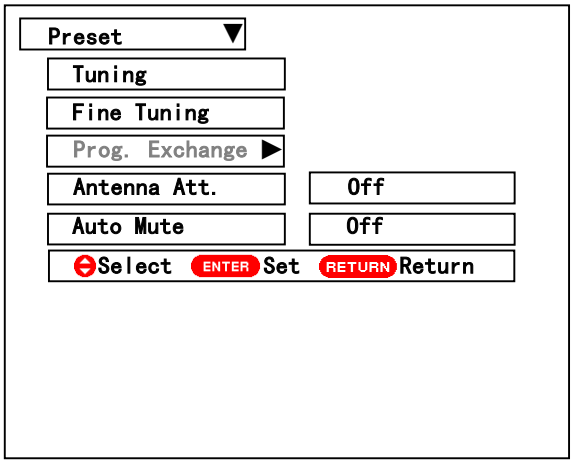
3 **T**he Fine tuning adjustment band is shown on the screen as shown on the right by pressing the **ENTER** button. Then press the ◀ ▶ cursor buttons to fine tune until the desired picture is available.



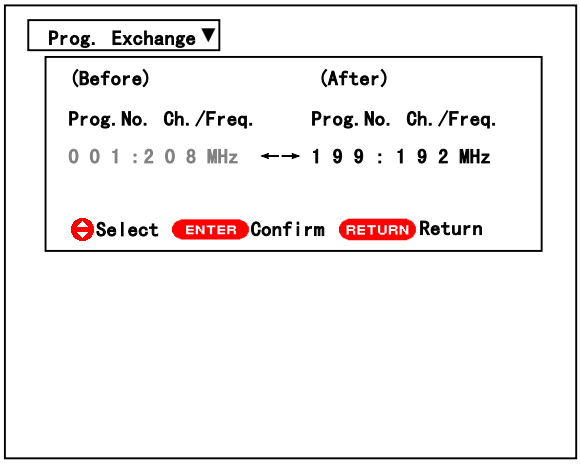
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset: Prog.Exchange】 The menu allows you to adjust program to your desired sequence. Please perform the following steps.

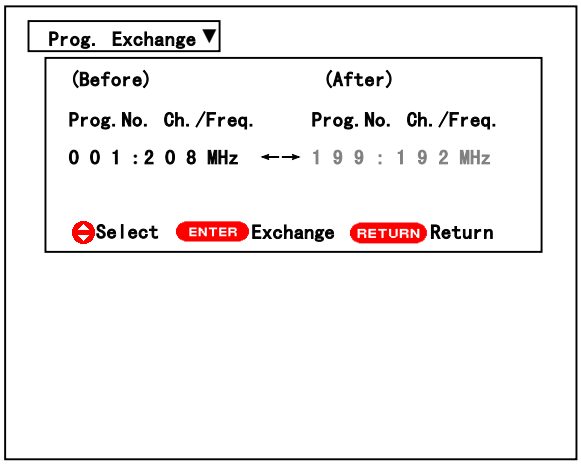
1 Follow the steps on page 21 to enter the **Preset** menu, then select the **Prog. Exchange** option as shown on the right.



2 Press the **ENTER** button to display the **Prog. Exchange** menu as shown on the right.
Select the **Prog.No.** option to be exchanged (left side of arrow shows green), press the ▲ ▼ cursor buttons to select program No. **001** shown on the right.



3 Press the **ENTER** button to select the other **Prog.No.** (right side of arrow shows green) and press the ▲ ▼ cursor buttons to select the program No. desired to be exchanged No.**199** shown on the right. Then press the **ENTER** button to carry out the exchange.

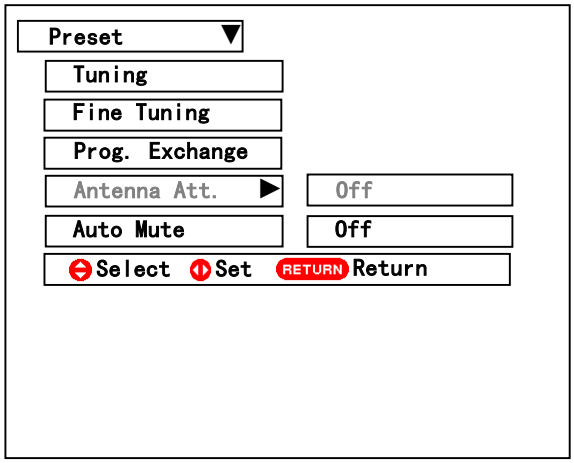


ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset：Antenna Att.】In some cases, the quality of picture may be impaired resulted from strong RF signal from the antenna terminal. You can set the antenna attenuation to avoid such occurrence. Please perform as follows.

Follow the steps on page 21 to enter the **Preset** menu, then select the **Antenna Att.** option as shown on the right.

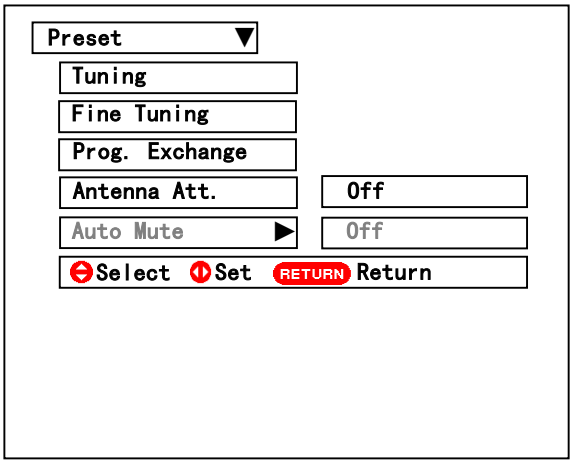
Press the ◀ ▶ cursor buttons to set the **Antenna Att.** option **On** or **Off** for turning on or off **Antenna Att.** function.



【Preset： Auto Mute】If **Auto Mute** is **On**, the noise from TV will be controlled when no signal transmission from the antenna terminal.

Follow the steps on page 21 to enter the **Preset** menu**,** then select the **Auto Mute** option as shown on the right.

Press the ◀ ▶ cursor buttons to set the **Auto Mute** option **On** or **Off** for tuning on or off **Auto Mute** function.



【Easy Preset】Refer to page 15.

ON-SCREEN DISPLAY MENU【SETUP MENU】

【Auto Link】

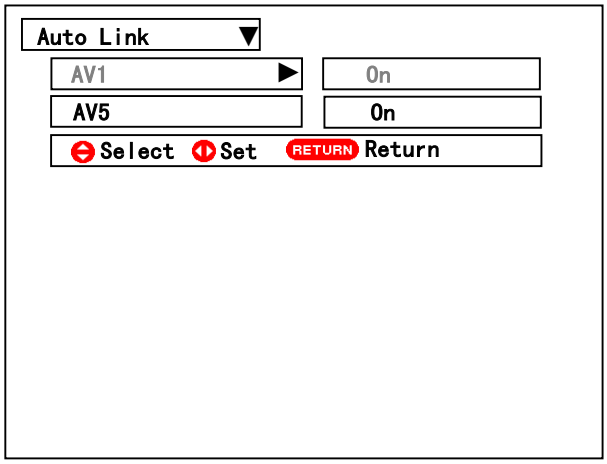
Use this function to automatically switch on the TV and switch it to **AV1** or **AV5** mode when it detects a video signal from **INPUT1** or **INPUT5** terminal of the TV. It provides you ease when using with your external equipment.

Connect external equipment to **INPUT1** or **INPUT5** terminal of the TV. Refer to CONNECTION WITH OTHER EQUIPMENT on page 50, 51 for more information.

Follow the steps on page 21 to enter the **Setup** menu and select the **Auto Link** option. Enter the **Auto Link** menu as shown below. Press the ▲ ▼ cursor buttons to select **AV1** or **AV5.** Then press the ◀ ▶ cursor buttons to set **AV1** or **AV5** to **On, Auto Link** function for the respective inputs will be activated.

(1)To switch on the power connected the signal source of **AV1** or **AV5** while the set is on. When there is an output from the signal source, the set will switch to **AV1** or **AV5** from the RF or other AV receiving mode automatically.

(2)If the set is in standby mode, turn on the power connected the signal source of **AV1** or **AV5,** when there is an output from the signal source, the set will turn on and switch to **AV1** or **AV5** automatically. The set will turn to standby mode automatically from the time when there is no operation on the set for a long time.



Note:

（1）If the performance of your external equipment connected to **AV1** and **AV5** on the TV is not reliable, it is recommended to turn off the **Auto Link** function to avoid the misoperation.

（2）If you use your external equipment or the videocassette recorder to perform recording after they are set to **On Timer**, do not activate **Auto Link** function to avoid the misoperation.

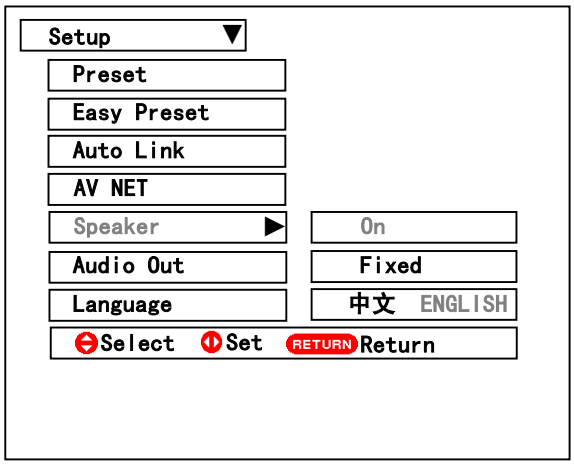
【AV NET】

Refer to page 35-45.

ON-SCREEN DIPLAY MENU【SETUP MENU】

【Speaker】

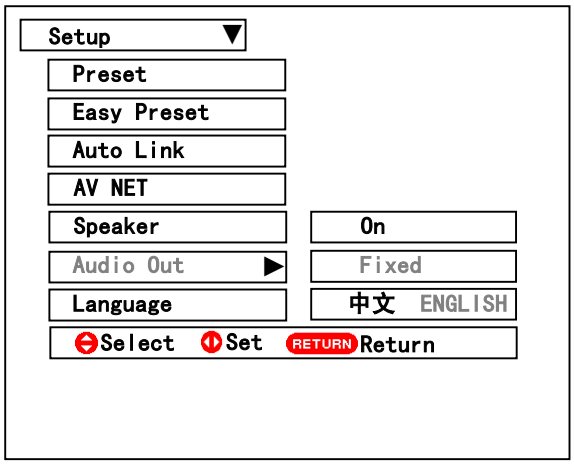
Follow the steps on page 21 to enter the **Setup** menu, then select the **Speaker** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **Speaker** option **On** or **Off** to turn on or off the speakers of the TV.



Note: When the external stereo system is connected to the FIXED/VARIABLE AUDIO output jacks of the TV, you can set the **Speaker** option to **Off** to turn off the speakers of the TV.

【Audio Out】

Follow the steps on page 21 to enter the **Setup** menu, then select the **Audio Out** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **Audio Out** option **Fixed** or **Variable**.



The setting of the **Audio Out** option can change the output mode of the FIXED/VARIABLE AUDIO output terminals. It provides you with two modes (**Fixed** or **Variable**) for selection.
When **Audio Out** is set **Fixed**, the FIXED/VARIABLE AUDIO output terminals output fixed audio signal.
When **Audio Out** is set **Variable**, the FIXED/VARIABLE AUDIO output terminals output variable audio signal. You can control the volume by pressing **Volume up/down** buttons on the remote control unit of the TV set.

Note:
Please lower the volume of equipment to prevent damage to its speakers or hearing the distorted sound when connecting the FIXED/VARIABLE AUDIO output terminals on the TV to the stereo system equipment.

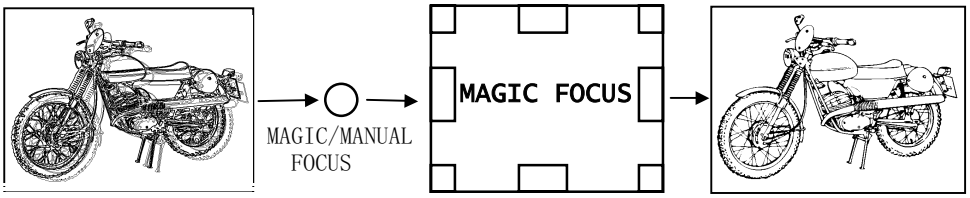
【Language】 Refer to page 14.

MAGIC FOCUS

Over a period of time, the picture tubes can drift out of alignment due to abnormal bumps and vibrations or shifting of the TV. You may then notice that there are color rings or halos around the objects in the picture. You may have to converge (align) the colors (refer to note*1). If the picture on the screen is very clear, you may skip the below procedures.
The TV provides two modes of convergence adjustment (**AUTO CONVERGENCE** and **MANUAL CONVERGENCE**). Please ensure that the TV is powered on for at least 20 minutes before you proceed with the convergence adjustment.

AUTO CONVERGENCE

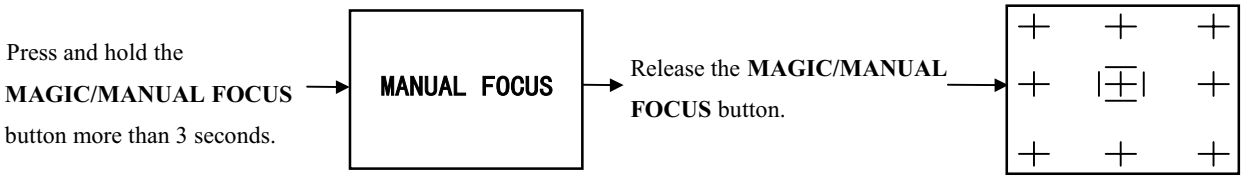
Press the **MAGIC/MANUAL FOCUS** button on the side panel for one second or so to enter the **AUTO CONVERGENCE** mode. At anytime during this convergence correction process, you may press the **MAGIC/MANUAL FOCUS** button to exit, and the picture effect will remain unchanged.



This process will take approximately 20 seconds. (Do not move the TV during this auto convergence process).

MANUAL CONVERGENCE

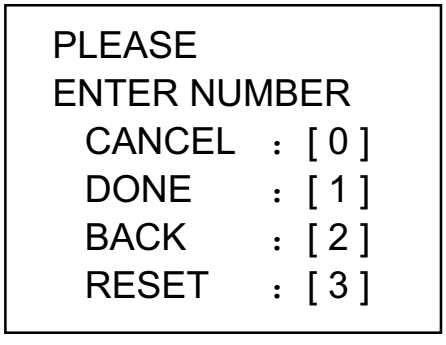
Press and hold the **MAGIC/MANUAL FOCUS** button for more than 3 seconds to enter the **MANUAL CONVERGENCE** mode.



(1) Press the ▲ ▼ ◄ ► cursor buttons to select adjustment point, press the **ENTER** button to display frame of red, move the ▲ ▼ ◄ ► cursor buttons to adjust red convergence for better.
(2) Press the **ENTER** button to display frame of blue, press the ▲ ▼ ◄ ► cursor buttons to adjust blue convergence for better.
(3) Press the **ENTER** button to display frame of white, press the ▲ ▼ ◄ ► cursor buttons to select another adjustment point, then perform (1)~(2) to adjust.
(4) When adjustment is done, press the **MENU** button, then the following screen will display as below.

[0]: Cancel adjusted data and exit from adjustment mode.
[1]: **Save your adjusted data and exit from adjustment mode.**
[2]: Return to manual convergence mode.
[3]: Recall the adjusted data of the previous auto convergence and return to manual convergence mode.

Note:
If there is no operation for 3 minutes from the remote control unit, the TV will exit from **MANUAL CONVERGENCE** mode.



Note*1： The TV has three color projection tubes: one for red, one for green and one for blue. When mixed together in the proper proportion, the output of these three-color tubes can produce any color. To produce these colors, however, the beams must be precisely aligned over each other so that the color can be mixed. The process of aligning these picture beams is called **convergence**.

MULTI PICTURE

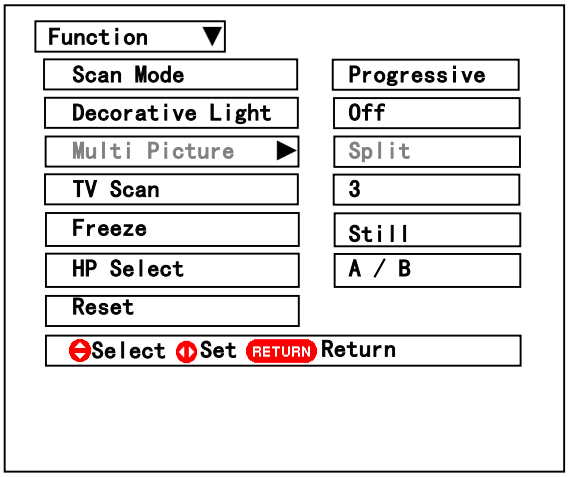
The **Multi Picture** function on this projection TV provides two modes, **Split** and **P in P**. To use the **Multi Picture** function allows you to enjoy the programs easily and comfortably.

In normal picture mode, press the **MULTI PIC.** button to enter the **Split** or **P in P** mode.

【Split】

Follow the steps on page 20 to enter the **Function** menu, then select the **Multi Picture** option as shown on the right.

Press the ◀ ▶ cursor buttons to set **Multi Picture** option to **Split** mode, then quit the menu.

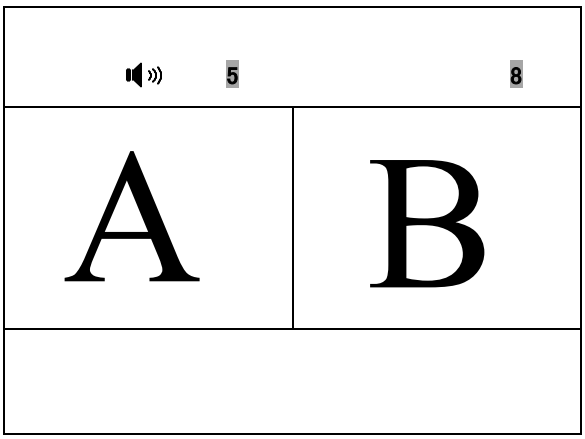


- In normal picture mode, press the **MULTI PIC.** button to enter the **Split** mode as shown below. The picture A and B will show two programs of two channels respectively.
- Once you have entered the **Split** mode, press the **A/B** button to select any one of the two pictures, a red symbol will appear on the top of the selected picture, indicating:

（1）The speakers on this set output the sound from the selected picture.

（2）The monitor out terminals output audio and video signals from the selected picture.

（3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture can not be the same as that in the other one. Otherwise, the characters **! Not Available** will appear.



Notes：

（1）When the **RECALL** button is pressed, the picture A and B will display their respective program No. instantly, and the red symbol will appear on the top of the selected picture momentarily.

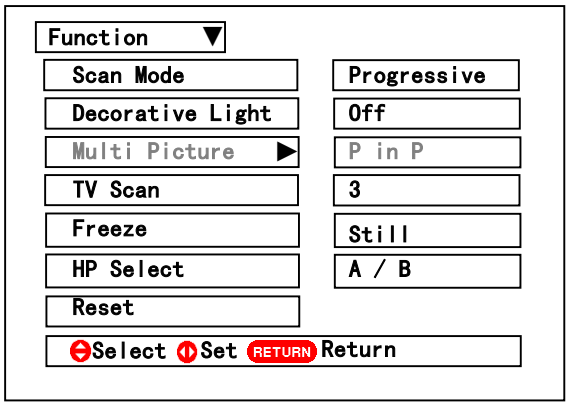
（2）If the **HP Select** option in the **Function** menu is set to **B**, the headphone terminal of side panel always outputs the sound from the picture **B**. If the **HP Select** option in the **Function** menu is set to **A/B**, the headphone terminal of side panel always outputs the sound from the selected picture.

- After accessing the **Split** mode, you can press the **SWAP** button to switch between the two pictures, ie, to exchange the program sources in the picture A and B.
- If the **Freeze** option in the **Function** menu is set to **Still**, while in the normal TV mode, pressing the **FREEZE** button will enter the **Split** mode automatically. Picture A will display the current moving picture and picture B will display a still picture frozen by pressing the **FREEZE** button. On this point, the MONITOR OUT terminals output audio and video signals from picture A. Set the **Freeze** option in the **Function** menu to **Strobe**, please see page 34 in detail.
- In the **Split** mode, the **POSITION** button does not work.
- In the **Split** mode, press the **MULTI PIC.** or the **RETURN** button to exit.
- In the **Split** mode, you may enter the **Audio** menu by pressing the **MENU** button to make adjustment. While entering other menus such as **Picture,** it will exit from the **Split** mode.

MULTI PICTURE

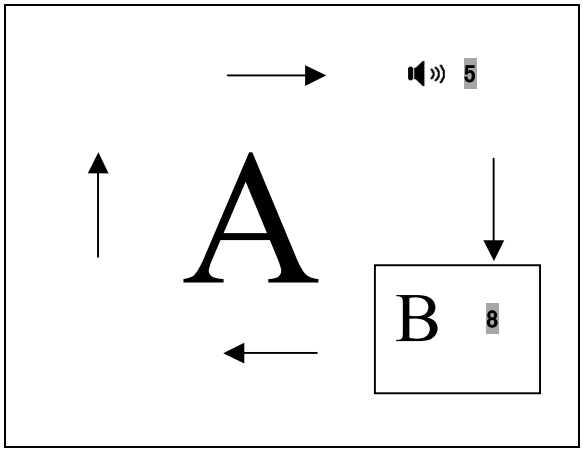
【P in P】

Follow the steps on page 20 to enter the **Function** menu and then select the **Multi Picture** option as shown on the right. Press the ◀ ▶ cursor buttons to set the **Multi Picture** option to **P in P** mode, then exit from the menu.



- In normal TV mode, press the **MULTI PIC.** button to enter the **P in P** mode as shown below. The picture A and B will show two programs of two channels respectively.

- Once you enter the **P in P** mode, press the **A/B** button to select any one of the two pictures and the red symbol will appear on the top of the selected picture, indicating:
  （1）The speakers on this TV output the sound from the selected picture.
  （2）The monitor out terminals output audio and video signals from the selected picture.
  （3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture can not be the same as that in the other one. Otherwise the characters **! Not Available** will appear.



Notes:

（1）When the **RECALL** button is pressed, the picture A and B will display their respective program No. instantly, and the red symbol will appear on the top of the selected picture momentarily.

（2）If the **HP Select** option in the **Function** menu is set to **B**, the headphone terminal of side panel always outputs the sound from the picture **B**. If the **HP Select** option in the **Function** menu is set to **A/B**, the headphone terminal of side panel always outputs the sound from the selected picture.

- After accessing the **P in P** mode, you can press the **SWAP** button to switch between the two pictures, ie, to exchange the program sources in the picture A and B.

- Press the **POSITION** button to move the picture B on the screen in sequence as shown above. Do not fix the picture B on a particular position of the screen for a long time, or else, it will damage the PRT.

- In the **P in P** mode, you can press the **MULTI PIC.** or the **RETURN** button to exit.

- In the **P in P** mode， you may enter the **Audio** menu by pressing the **MENU** button to make adjustment. When entering other menus such as **Picture**, it will exit from the **P in P** mode.

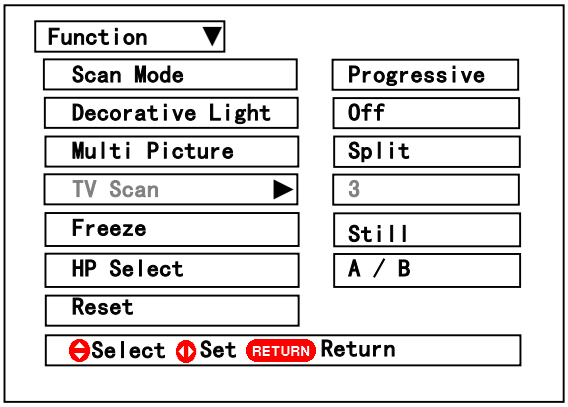
Note: Not all input signal formats are valid for **P in P**. Even if the signal may be displayed in TV mode before entering **P in P**, it may not be displayed while in the **P in P** mode. In such case, the characters **! Invalid Signal** will appear in the picture A, or the **!** symbol will appear in the picture B. This is normal.

TV SCAN FUNCTION

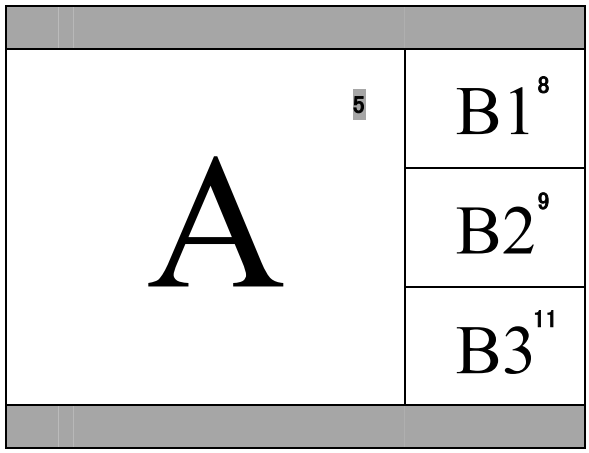
The **TV Scan** function on this TV provides two modes, mode **3** and mode **12**. To use this function allows you to enjoy the programs easily and comfortably.
While in a normal picture mode, press the **TV SCAN** button to enter mode **3** or mode **12**.

【Mode 3】

Follow the steps on page 20 to enter the **Function** menu and then select the **TV Scan** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **TV Scan** option to mode **3**, then quit the menu.



- In normal TV mode, press the **TV SCAN** button to enter mode **3** (4-Picture mode) as shown below.
  The picture A will display the current moving picture. The speakers and the headphone jack output the sound from the picture A. The monitor out terminals output audio and video signals from the picture A.
  The B1, B2, B3 will display all the unset skipping programs starting from program No.0 in sequence every several seconds.



- When entering mode **3**, you can select the picture A by pressing the program up/down buttons ▲ ▼ or number buttons. As to B group (B1, B2, B3) pictures, you can press the **▲P+** **▼P-** buttons to select one of the pictures among the B1, B2, B3 picture. The color of program No. in the selected picture will turn from white to green. Then press the **ENTER** button, the picture selected in B group will be switched to the picture A.

- In this mode, press the **TV SCAN** or the **RETURN** button to quit.

- In this mode, you can enter the **Audio** menu to perform the adjustment. When entering other menus such as the **Picture** menu, it will quit the 4-Picture mode.

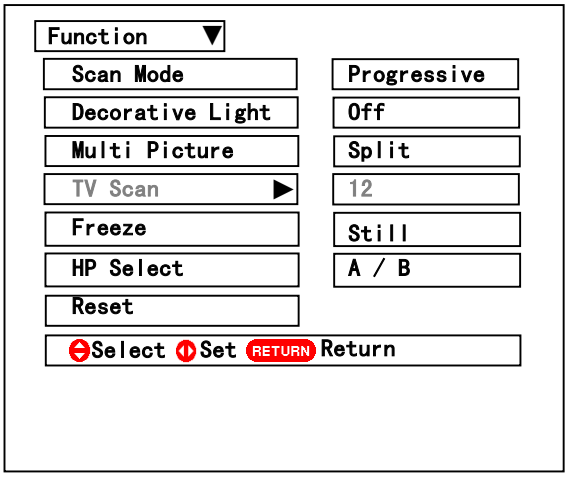
- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

Note: Not all input signal formats are valid for mode **3**. Even if the signal may be displayed in TV mode before entering mode **3**, it may not be displayed while in mode **3**. In such case, the characters **!Invalid Signal** will appear in the picture A, or the ！ symbol will appear in the picture B. This is normal.

TV SCAN FUNCTION

【Mode 12】

Follow the steps on page 20 to enter the **Function** menu and then select the **TV Scan** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **TV Scan** option to mode **12**, then quit the menu.



- In normal TV mode, press the **TV SCAN** button to enter mode **12**(12-picture) as shown below.
  The 12 pictures will rotate to refresh individual program after a few seconds starting from the program No.0 except for those skipped program. If the preset channels are less than 12, it will display the actual number of searched program. If the preset channels are more than 12, use the **Page up/down** buttons to select the next group of program.

- In this mode, you can press the ▲ ▼ ◀ ▶ cursor buttons to select one of the pictures, and the program No. of the selected picture will turn from white to green. Then, press the **ENTER** button to quit, and the selected picture will fill the entire TV screen.

- In this mode, directly entering the program No. by using the number buttons will quit this mode, then the selected picture will fill the entire TV screen.

- In this mode, no signal output from the speakers, the headphone jack and the monitor out terminals.

1	2	3	4
5	6	7	8
9	10	11	12

- In this mode, press the **TV SCAN** or the **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will quit this mode.

- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

The **Strobe** function is shown as below.
Follow the steps on page20 to enter the **Function** menu, and select the **Freeze** option. Press the ◀ ▶ cursor buttons to set the **Freeze** option to **Strobe**, then quit the menu.

- In normal TV mode, press the **FREEZE** button to enter the mode **12** automatically. The 12th picture will display the current moving picture. 11 continuous frozen pictures will display respectively in the other 11 pictures when the **FREEZE** button is pressed. This function is not valid for all of input signal formats. When **! Not Available** appears, it is invalid.

- In this mode, you can quit by pressing the **RETURN** or the **FREEZE** button.

- In this mode, you can enter the **Audio** menu to perform the adjustment, when you enter other menus such as the **Picture** menu, it will quit this mode.

- At this point, the monitor out terminals on the TV will output the video and audio signals from the current moving picture.

- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

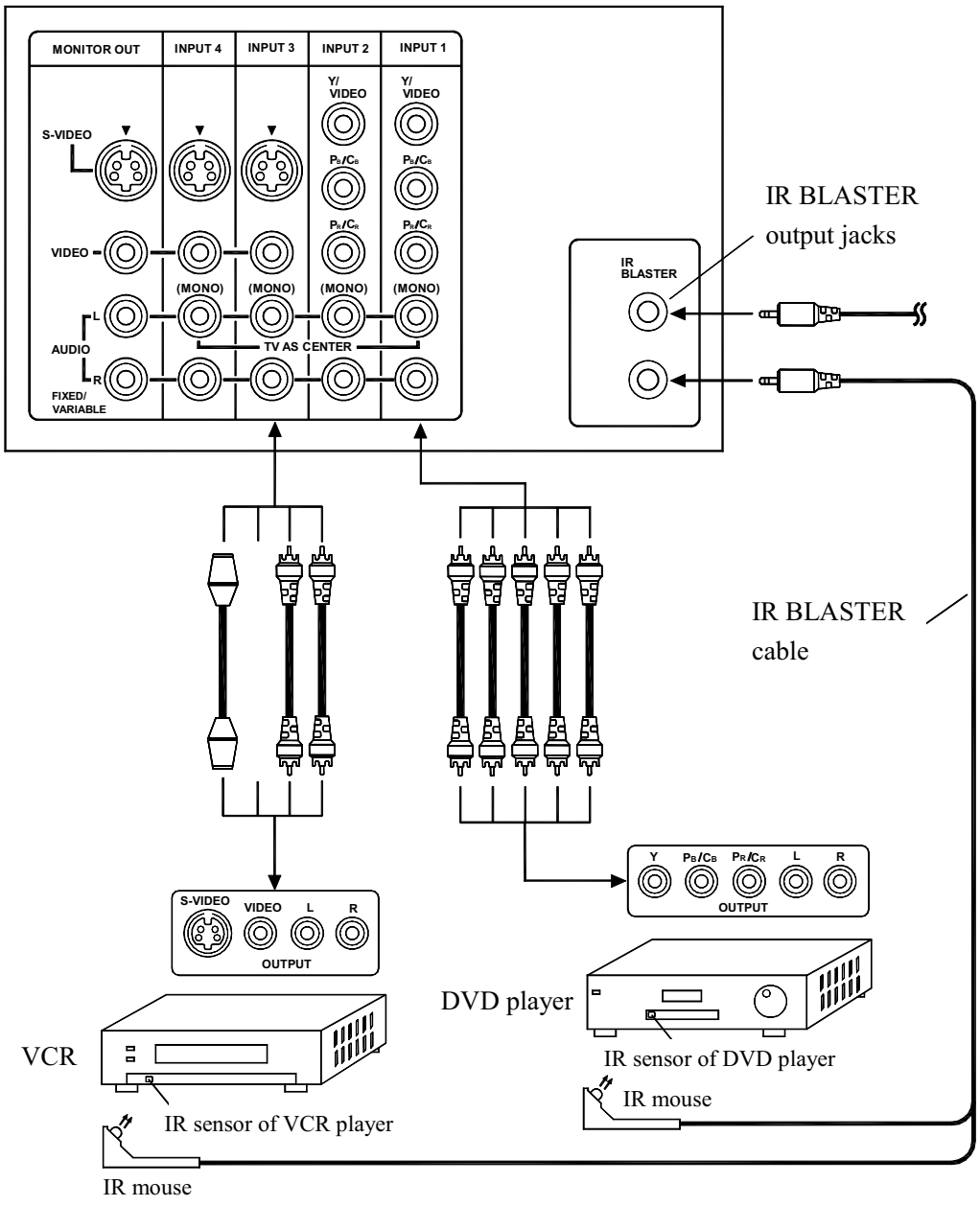
AV NET

The TV has the **AV NET** function. This function enables you to control your audio/video equipment such as VCR, DVD player, Set-Top-Box, etc with the remote control function. You can control your equipment with the applied remote control unit of the TV after using this function.

The rear panel of the TV has two IR BLASTER output jacks. The TV comes with two IR BLASTER cables. Each IR BLASTER cable can control two audio/video equipments. Please refer to the following examples when using the **AV NET** function.

【Connection of the external audio/video equipment】

1. Please connect your external audio/video equipment by referring to the following example. (Below shows **INPUT1** is connected to a DVD player, and **INPUT3** is connected to a VCR)
2. Please insert the plug of the IR BLASTER cable into the IR BLASTER output jacks on the rear panel of the TV.
3. Please place the IR mouse near and face to the IR sensor of the DVD player and the VCR. Please refer to the instructions of the DVD player and the VCR about the IR sensor place.



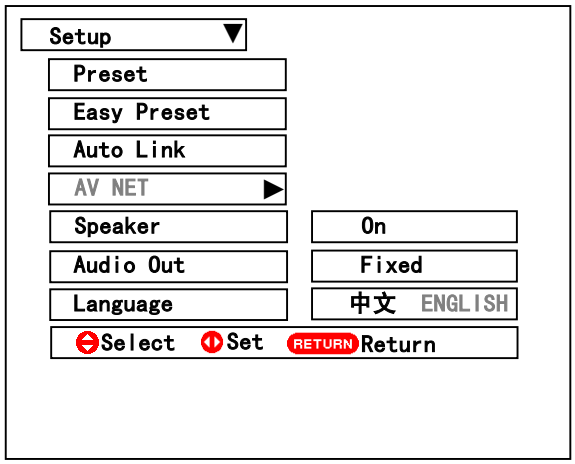
AV NET

【Setting up the type codes and the input terminals of the external audio/video equipment】

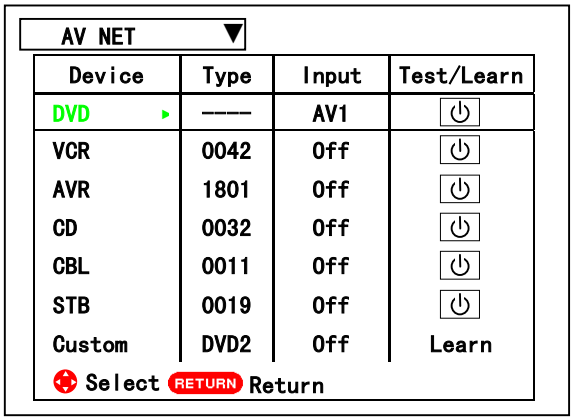
You must set up the **Type** and **Input** of the corresponding audio/video equipment after the audio/video equipment and the IR BLASTER cable are connected to the TV so that you can control your external equipment with the **AV NET** function. If you fail to find the type codes of your external audio/video equipment or your equipment's brands are not in the list of models, please refer to page 39-41 on **【How to learn the remote code of the external audio/video equipment】** to learn the remote code of the external audio/video equipment.

The DVD player which is connected to the **INPUT1** terminals is used as an example to illustrate how to set the **Type** and the **Input** of the external audio/video equipment.

1. Press the **MENU** button to display menu. Press the ▲ ▼ cursor buttons to select the **Setup** item and press the **ENTER** button to enter the **Setup** menu. Then press the ▼ cursor button to select the **AV NET** item as shown on the right.



2. Press the **ENTER** button to enter the **AV NET** menu. Press the ▲ ▼ cursor buttons to select the **DVD** item as shown on the right and the item will show green, indicating it is selected.

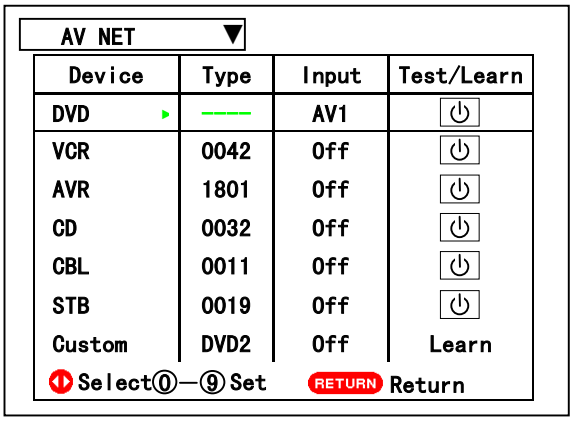


The devices corresponding to the external equipment are shown as below.

Device	External equipment
DVD	DVD player
VCR	VCR
AVR	AV receiver or amplifier
CD	CD player
CBL	Cable TV set-top-box
STB	Satellite set-top-box

As for the **Custom**, please refer to page 39-41 on **【How to learn the remote code of the external audio/video equipment】**.

3. Press the ▶ cursor button to enter the **Type** item as shown on the right and the "——" will show green, indicating it can be altered. Press the number from 0 to 9 on the remote control unit to input the type code of your external audio/video equipment. (Please refer the type code lists for the codes of your external audio/video equipment.) For example, the type code of a DVD player is 0664, then 0, 6, 6, 4 are inputted.



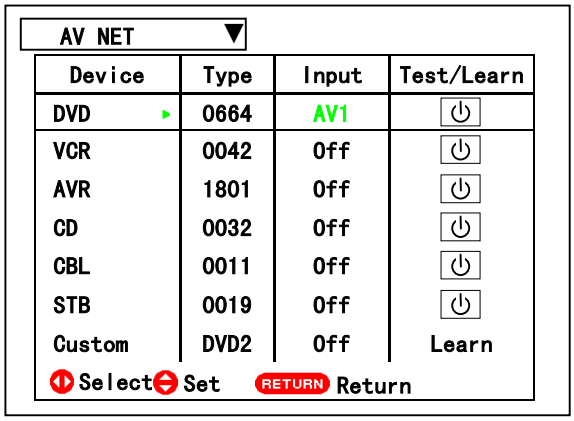
Note:

Some brands have a few type codes, please find one of the codes that is suitable for your external audio/video equipment.

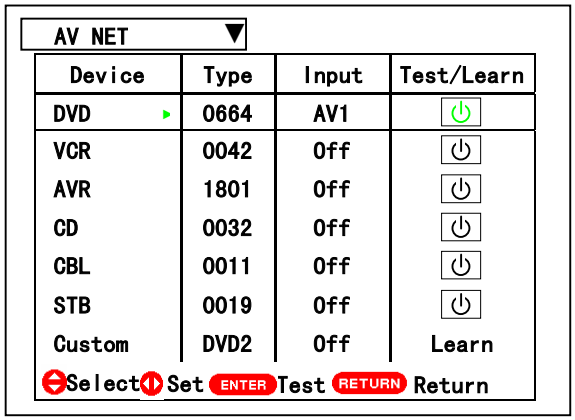
AV NET

4. Press the ▶ cursor button to enter the **Input** item of DVD as shown below. Press the ▲ ▼ cursor buttons to select the terminal connected to your external audio/video equipment. You can choose **Off**, **AV1**, **AV2**, **AV3**, **AV4** or **AV5**. **AV1** is chosen as the DVD player in the example is connected to the **INPUT1** terminals.

Notes:
As for DVD, AVR, CD, STB, DVD2, AVR2, CD2 and STB2, you can choose the **Input** item from **Off**, **AV1**, **AV2**, **AV3**, **AV4**, **AV5**.
As for VCR, CBL, VCR2 and CBL2, you can choose the **Input** item from **Off**, **AV1**, **AV2**, **AV3**, **AV4**, **AV5**, **TV (0P)**.
When using this function, the TV will switch to the AV1~AV5 mode automatically to the chosen **Input** item accordingly.
When using this function, the TV will switch to the program No.0 automatically if the **Input** item is set to **TV (0P)**.
When using this function, the TV will remain the current state if the **Input** item is set to **Off**.



5. Press the cursor ▶ button to enter the **Test/Learn** option as shown on the right. When the option of the **Device** is supposed to be **DVD, VCR, AVR, CD, CBL, STB**, this **Test/Learn** option is **Test**.
Turn on the DVD player. Press the **ENTER** button, the ⏻ will show yellow about one second and the infrared signal will be emitted by the IR mouse. Please check the power of your DVD player has corresponding actions.
You can select the other buttons to make a test by pressing the ▲ ▼ cursor buttons.
The test buttons for DVD/CD are: ⏻ ▶
The test buttons for VCR are: ⏻ ▶ P+
The test buttons for CBL/STB are: ⏻ P+
The test buttons for AVR are: ⏻ +



Please refer to page 38 on【**Using the AV NET function**】if the test succeeded.
Please use other type codes (if available) and repeat step 3 or refer to page 39-41 on【**How to learn the remote code of the external audio/video equipment**】if the test failed.

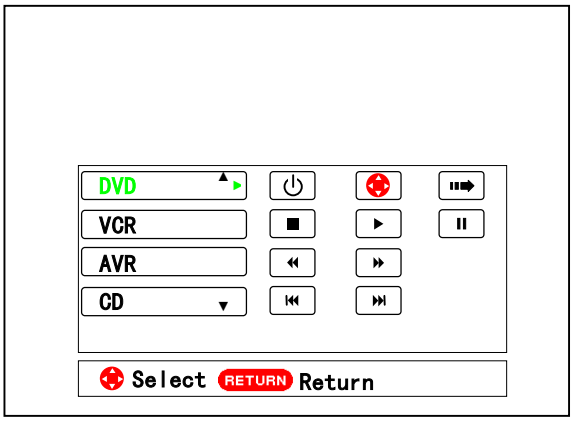
Notes：
（1）Not all audio/video equipment brands or models are suitable for the **AV NET** function even if the **Type** and the **Input** item have been set up.
（2）When the **Device** item is **Custom**, the **Test/Learn** option is **Learn**. Please refer to【**How to learn the remote code of the external audio/video equipment**】for more information on the **Custom** function.

AV NET

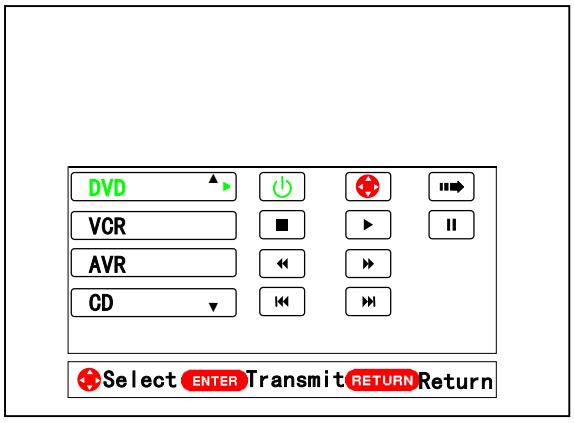
【Using the AV NET function】

You can use the **AV NET** function if the test succeeded. The DVD player which is connected to the **INPUT1** terminals is used as an example to illustrate how to use the **AV NET** function.

1. Press the AV NET button to display the menu as shown on the right. Press the ▲ ▼ cursor buttons to select **DVD** if you want to control the DVD player that is connected to the **INPUT1** terminals.

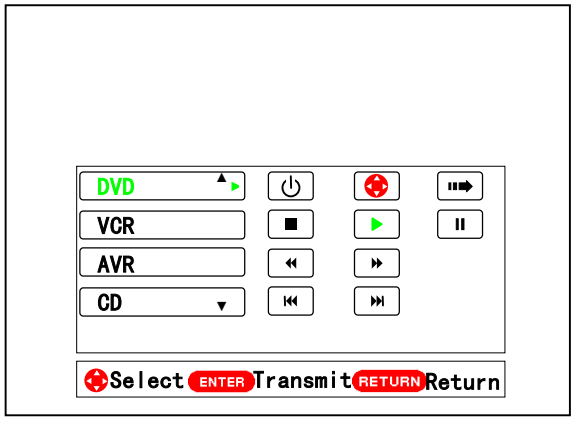


2. The TV will switch to the **AV1** mode* automatically by pressing the ▶ cursor button and the ⏻ item shows green simultaneously. Press the **ENTER** button, the ⏻ item will show yellow about one second. The IR mouse will output infrared signal to turn on or turn off the DVD player's power.



Note*:
The TV will switch to a corresponding mode automatically according to the **Input** setting of the **AV NET** menu. As the example shows, the set will switch to **AV1** mode automatically because the **Input** setting which corresponds to **DVD** item is **AV1**.

3. You can play the DVD by pressing the ▲ ▼ ◀ ▶ cursor buttons to enter the ► item and the ► item shows green. Press the ENTER button, the ► item shows yellow about 1 second and the IR mouse will output infrared signal to DVD player, then the DVD player will play the disc.



4. As for the usage of the other function keys, please refer to the step 3 and operate according to the corresponding hints on the screen.

Note:

(1) Press the ▲ ▼ ◀ ▶ cursor buttons to select the item, and then press the ENTER button to enter the button menu operated by the cursor. At this point, if you press the cursor ▲ ▼ ◀ ▶, MENU, ENTER, RETURN buttons on the remote control unit of the TV, they correspond to the ▲ ▼ ◀ ▶, MENU, ENTER, RETURN buttons of DVD player.

(2) Press the ▲ ▼ ◀ ▶ cursor buttons to select the item, and then press the ENTER button to enter the next button menu.

(3) The IR mouse may output nothing when you press some buttons on the menu. This is normal.

(4) The TV provides some common function keys only for the external equipment of DVD, VCR, AVR, CD, CBL, STB, etc.

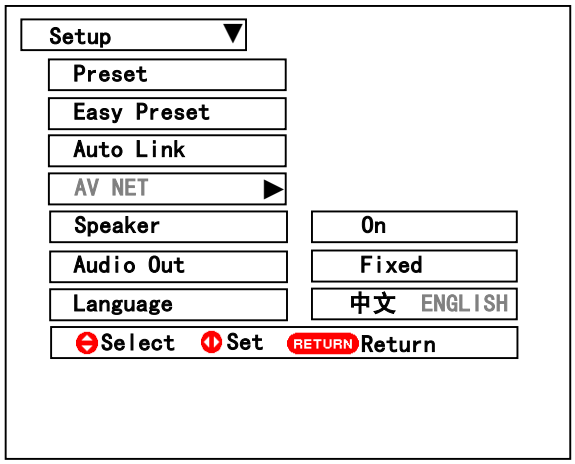
AV NET

【How to learn the remote code of the external audio/video equipment】

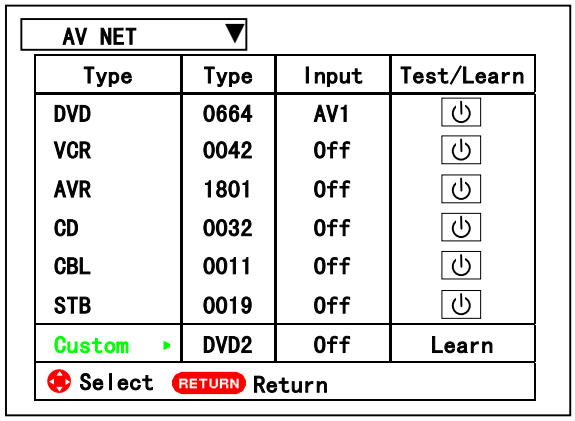
It enables you to realize the **AV NET** function by using this function if your external audio/video equipment's brands are not in the type code list. Please make sure that the IR BLASTER cable is connected as shown in **【Connection of the external audio/video equipment】** before you learn the remote codes.

The DVD player which is connected to the **INPUT1** terminals is used as an example to illustrate how to learn the remote codes of the external audio/video equipment.

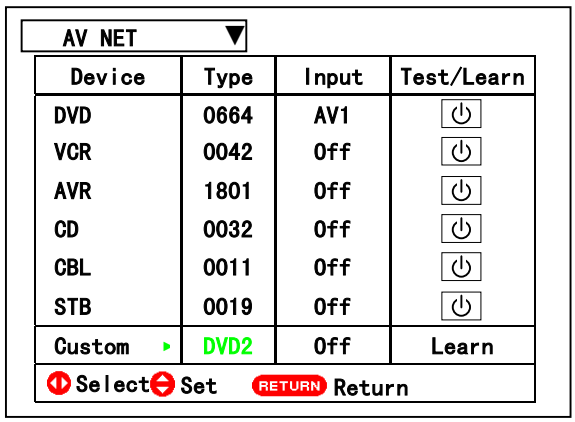
1. Press the **MENU** button to display menu. Press the ▲ ▼ cursor buttons to select the **Setup** item, press the **ENTER** button to enter the **Setup** menu and then press the ▼ cursor button to choose the **AV NET** item as shown on the right.



2. Press the **ENTER** button to enter the **AV NET** menu. Press the ▲ ▼ cursor buttons to select the **Custom** item as shown on the right.



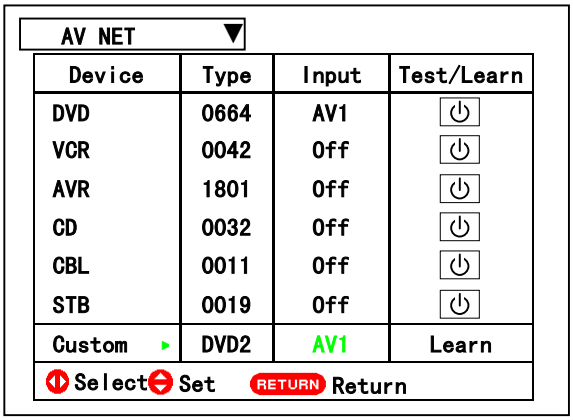
3. Press the ▶ cursor button to enter the **Type** item of **Custom** option. At this point, you can choose the type options such as **DVD2**, **VCR2**, **AVR2**, **CD2**, **CBL2**, **STB2**. For example, if you want to learn the remote codes of the DVD player which is connected to the **INPUT1** terminal, please press the ▲ ▼ cursor buttons to select **DVD2**.



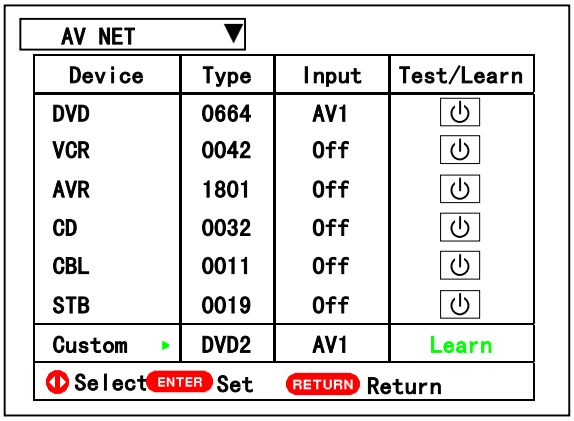
AV NET

4. Press the ▶ cursor button to enter the **Input** item of **Custom** option and then press the ▲ ▼ cursor buttons to select **AV1**.

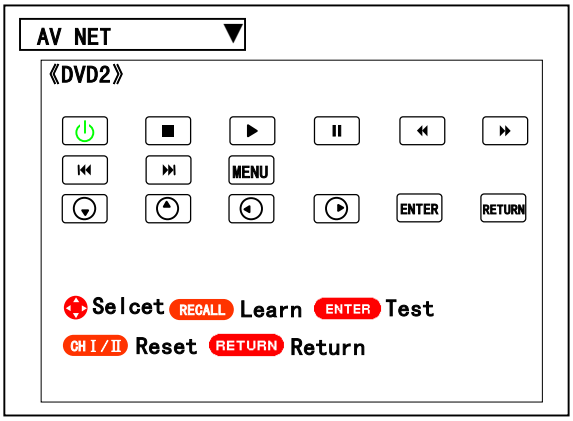
Notes:
As for DVD, AVR, CD, STB, DVD2, AVR2, CD2 and STB2, you can choose the **Input** from **Off**, **AV1**, **AV2**, **AV3**, **AV4** or **AV5**.
As for VCR, CBL, VCR2 and CBL2, you can choose the **Input** from **Off**, **AV1**, **AV2**, **AV3**, **AV4**, **AV5** or **TV(0P)**.
When using this function, the TV will switch to the AV1~AV5 mode automatically to the chosen **Input** item accordingly.
When using this function, the TV will switch to the program No.0 automatically if the **Input** item is set to **TV (0P)**.
When using this function, the TV will remain the current state of current if the **Input** item is set to **Off**.



5. Press the ▶ cursor button to enter the **Test/Learn** item of **Custom** option and the **Learn** is selected and shown in green.

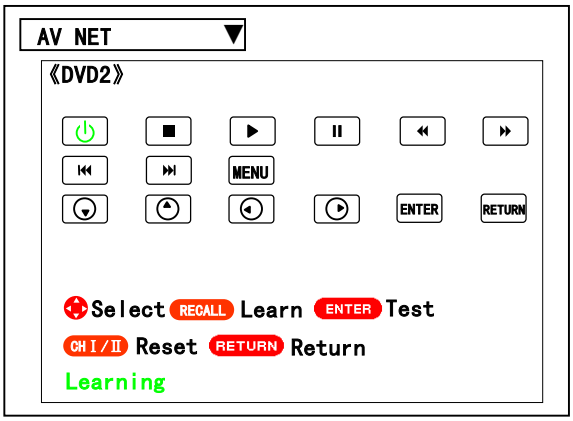


6. Then press the **ENTER** button to enter **Learn** state as shown on the right. For example, you want to learn the code of DVD player's ⏻ button. Press the ▲ ▼ ◀ ▶ cursor buttons to select the ⏻ item and the ⏻ will show green.



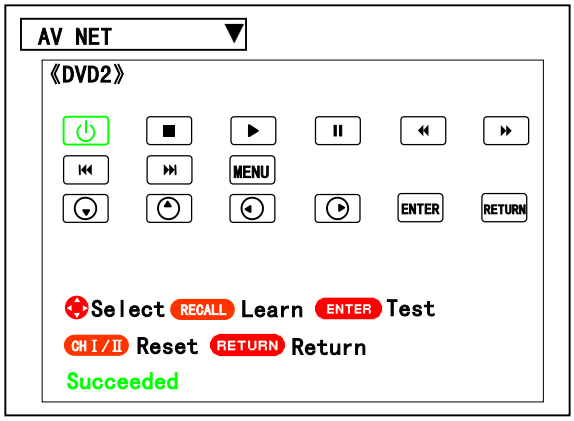
7. Press the **RECALL** button, the ⏻ item will show yellow and the character **"Learning"** will appear on the lower left of the screen. At this moment, put the remote control unit of DVD player near to and face the screen center of the set and press the ⏻ button on the remote control unit of DVD player.

Notes:
(1) You should press the ⏻ button on the remote control unit of DVD player while the character **"Learning"** is displaying.
(2) Do not continue pressing the ⏻ button while learning.



AV NET

8. The **Succeeded** will be displayed on the lower left corner of the screen if you get pass, and the outer frame of the ⏻ item will show yellow, indicating this item has been passed.
   The **Failed** will be displayed on the lower left corner of the screen if you fail to pass. Please make sure your operation right and re-do according to the above steps.
   The **Not Available** will be displayed on the lower left corner of the screen if the set is lack of enough internal memory's capacities. Please refer to the note (2) to clear up the items which are seldom used in order to release the internal memory's capacities.



9. In order to check the **AV NET** function works properly, a test must be taken on the ⏻ item after the learning succeeds. Press the **ENTER** button and the ⏻ item will show yellow about one second, the infrared signal will be output by the IR mouse. At this moment, the power of the DVD player will have corresponding action. If not, please check the connection is right and re-study.

10. If you want to learn the other keys of the DVD player. Please refer to the above steps and operate according to the hints on the screen.

11. You can control the DVD player by using the remote control unit of the TV after learning the related keys.
    Usage: Press the **AV NET** button to enter the **AV NET** mode. Press the ▲ ▼ cursor buttons to select **DVD2** and then refer to **【Using the AV NET function】** for more information.

Notes:

(1) The set can only learn and record remote codes of one of the external equipment. For an example, you learn the codes of VCR2 after finishing learning the codes of DVD2, then the set will record the codes of VCR2.

(2) Please select the learned items in order to clear up their codes by pressing the **CH Ⅰ/Ⅱ** button to release the occupied internal memory's capacities. The outer frame of the reset items will recover white display.

(3) Since the compatibilities of the equipment, the remote codes of some equipment cannot be learned by the TV. This is normal.

【External audio/video equipment type code】

1. DVD	CODE
AMW	0872
Afreey	0698
Aiwa	0641
Akai	0770, 1089
Alba	0717, 0539, 0672
Allegro	0869
Amoisonic	0764, 0835
Apex Digital	0755, 0672, 0796, 1020, 1056
	1061, 0717, 0794, 0797, 1004
B & K	0655, 0662
BBK	0863
Big Echo	1050
Blaupunkt	0717
Blue Parade	0571
Bubugao	0863
Celestial	1020
Centrex	0672, 1004
Changhong	0627, 1061
CineVision	0869
Cirrus	0700
Coby	1086, 0778, 0852, 1107
Cydectin	1074
DVD2000	0521
Daewoo	0833, 0869, 0705, 0770
Dansai	0770
Daytek	0872
Decca	0770
Denon	0634, 0490
Denver	0778
DiViDo	0705
Digitrex	1056, 0672
Doublzne	0490, 0634
Emerson	0591, 0675
Enterprise	0591
Fisher	0670
Fun TV	1055
Funai	0675
GE	0717, 0522
GPX	0699
Go Video	0741, 1075, 0744, 0833, 0869
GoldStar	0741
Goodmans	1004
Gradiente	0651
Greenhill	0717
Grundig	0539, 0705
HiMAX	0843
Hitachi	0573, 0664
Hiteker	0672
Idall	1208
Initial	0717
Integra	0627
JVC	0623, 0867, 0558
JWin	1051, 1049
KLH	0717, 1020, 1149
Kenuo	1175
Kenwood	0534, 0490
Konka	0719, 0711, 0720, 0721, 1192
Koss	0651
LG	0869, 0591, 0741
Landel	0826
Lasonic	0798
Loewe	0885
Magnavox	0503, 0675
Malata	0782
Marantz	0539
MDS	1111
Memorex	0831
Microsoft	0522
Minato	0752
Mintek	0717, 0839
Mirror	0752
Mitsubishi	0521
Momitsu	1082
NAD	0692
NEC	0869
Nesa	0717
Next Base	0826
Nintaus	0793, 1202
Nissho Iwai	1055
Norcent	0872, 0895, 1107
Olidata	0672
Onkyo	0627, 0503
Oritron	0651
Palsonic	0672, 0852
Panasonic	0490, 1762, 0632
Panda	1203
Philco	0733
Philips	0885, 0646, 0675, 0503, 0539
Pioneer	0525, 0631, 0638, 0571, 0632
Polaroid	1061, 1086
Polk Audio	0539
Portland	0770
ProVision	0778
Proscan	0522
Qisheng	1206
Qwestar	0651
RCA	0522, 0571, 0717
Recco	0698
Reoc	0752
Revoy	0699
Rio	0869
Rotel	0623
Rowa	0823, 1004
SVA	0860, 1105, 0672, 0717, 1209
Sampo	0698, 0752
Samsung	0820, 1075, 0490, 0573, 0744
Sanyo	0670, 0873
Sast	1201, 1207
Schwaiger	0752
Semp	0503
Sharp	0630, 0752
Sherwood	0633, 0770
Shinco	0717
Shinsonic	0533, 0839
Simaudio	0885
Skyworth	0766, 0898
Sonic Blue	0869
Sony	0533, 0864
Sungale	1074
Superb	0855
Sylvania	0675
Symphonic	0675
TCL	1180, 1182, 1189
TYT	0705
Tatung	0770
Teac	0717, 0571, 0692
Technics	0490
Techwood	0692
Theta Digital	0571
Thomson	0522
Toshiba	0503
Tredex	0800, 0799, 0803, 0804, 0843
Tsinghua Tongfang	1204, 1205
US Logic	0839
Universum	0591
Urban Concepts	0503
Wesder	0699
Wintel	1131
XBox	0522
Yamada	1004
Yamaha	0490, 0539, 0545
Zenith	0591, 0741, 0869, 0503

2. VCR	CODE
ASA	0081, 0037
Admiral	0048, 0209
Adventura	0000
Adyson	0072
Aiko	0278
Aiwa	0000, 0209, 0037, 0307, 0479
Akai	0053, 0041, 0315
Akiba	0072
Akura	0072
Alba	0072, 0000, 0278, 0209, 0315
Allstar	0081
America Action	0278
American High	0035
Amoisonic	0479
Amstrad	0000, 0072
Anam	0162, 0226, 0240, 0037, 0278
Anam National	0162, 0226
Anitech	0072
Aristona	0081
Asha	0240
Asuka	0037
Audiosonic	0278
Audiovox	0278, 0037
Baird	0041, 0000
Basic Line	0278, 0072
Beaumark	0240
Bestar	0278
Blaupunkt	0162, 0081, 0226, 0227
Bondstec	0072
Brandt	0041
Brandt Electronic	0041
Broksonic	0209, 0184, 0479
Bush	0072, 0315, 0209, 0278
CCE	0072, 0278
CGE	0000
Calix	0037
Canon	0035
Carena	0209
Carrefour	0045
Carver	0081
Cathay	0278
Changhong	0048, 0081
Cimline	0072
Cineral	0278
Citizen	0037, 0278
Colt	0072
Condor	0278
Craig	0037, 0072, 0047, 0240
Crown	0278, 0072
Curtis Mathes	0035, 0041, 0060, 0162
Cybernex	0051, 0240
Cyrus	0081
Daewoo	0278, 0046, 0045
Dansai	0072, 0278
De Graaf	0081, 0048, 0042, 0046
Decca	0000, 0067, 0081, 0209
Denon	0042
Diamant	0037
Domland	0209
Dual	0041, 0081, 0278
Dumont	0081, 0000
Durabrand	0038, 0039
Dynatech	0000
ESC	0240, 0278
Elbe	0038, 0278
Elcatech	0072
Electrohome	0037
Electrophonic	0037
Elin	0051, 0240
Elsay	0072
Elta	0072, 0278
Emerex	0032
Emerson	0184, 0043, 0278, 0000, 0035, 0037
	0045, 0072, 0209, 0240, 0479
Ferguson	0041, 0000, 0053
Fidelity	0000, 0072
Finlandia	0081, 0000, 0048, 0042
Finlux	0081, 0042, 0000
Firstline	0072, 0209, 0043, 0037, 0045
Fisher	0047, 0046
Flint	0209
Fuji	0033, 0035
Fujitsu	0000, 0045, 0052
Funai	0000, 0593
GE	0035, 0060, 0226, 0240
GEC	0081
Galaxis	0278
Garrard	0000
General	0052, 0045
GoldHand	0072
GoldStar	0037, 0038, 0209, 0226
Goodmans	0072, 0278, 0081, 0062, 0000, 0037
Gradiente	0000
Graetz	0041, 0240
Granada	0081, 0000, 0048, 0240, 0037
	0042, 0046, 0226
Grandin	0072, 0000, 0037, 0278

【External audio/video equipment type code】

Grundig.....0081, 0226, 0072
HCM.....0072
HI-Q.....0047
Hanseatic.....0037, 0209
Haojie.....0240
Harley Davidson.....0000
Harman/Kardon.....0038, 0081
Harwood.....0072
Headquarter.....0046
Hinari.....0072, 0041, 0240, 0278
Hischito.....0045
Hitachi.....0042, 0240, 0000, 0081, 0037, 0041, 0089
Hornyphone.....0081
Hughes Network Systems.....0042
Hypson.....0072, 0278, 0209
ITT.....0041, 0046, 0240
ITV.....0037, 0278
Imperial.....0000
Ingersol.....0209, 0240
Inno Hit.....0072, 0240
Interfunk.....0081
Intervision.....0278, 0000, 0037, 0209
Irradio.....0072, 0081
JVC.....0067, 0041, 0045
Jensen.....0041
KEC.....0037, 0278
KLH.....0072
Kaisui.....0072
Kendo.....0209, 0315, 0072
Kenwood.....0041, 0067, 0038, 0046
Kimari.....0047
Kodak.....0035, 0037
Kolin.....0041, 0043
Korpel.....0072
Kuba Electronic.....0047
Kyoto.....0072
LG.....0037, 0038, 0042, 0045, 0051, 0053, 0209
LXI.....0037
Lenco.....0278
Leyco.....0072
Lloyd's.....0000
Loewe.....0081, 0037, 0162
Logik.....0240, 0209, 0072
Luxor.....0046, 0043, 0062, 0047, 0048, 0072
M Electronic.....0037, 0000, 0038
MEI.....0035
MGA.....0043, 0240
MGN Technology.....0240
MTC.....0000, 0240
Magnasonic.....0593
Magnavox.....0035, 0593, 0000, 0039, 0081
Magnin.....0240
Manesth.....0072, 0045, 0081, 0209
Marantz.....0062, 0209, 0035, 0081
Marta.....0037
Matsui.....0209, 0240, 0000
Matsushita.....0227, 0035, 0162, 0226
Memorex.....0046, 0047, 0479, 0035, 0240, 0307
.....0000, 0037, 0039, 0048, 0162, 0209
Memphis.....0072
Metronic.....0081
Metz.....0037, 0081, 0162, 0227
Minolta.....0042
Mitsubishi.....0043, 0081, 0041, 0067
Motorola.....0035, 0048
Multitech.....0000, 0072
Murphy.....0000
Myryad.....0081
NAD.....0058
NAP.....0039
NEC.....0038, 0035, 0037, 0041, 0048, 0067
National.....0226
Neckermann.....0081
Nesco.....0072
Newave.....0037
Nikkai.....0072, 0278
Nikko.....0037
Noblex.....0240
Nokia.....0041, 0048, 0278, 0240, 0046
Nordmende.....0041
Oceanic.....0048, 0081, 0000, 0041, 0046
Okano.....0072, 0315
Olympus.....0035, 0226
Optimus.....0162, 0058, 0593, 0037, 0048
Optonica.....0062
Orion.....0209, 0184, 0479
Osaki.....0072, 0000, 0037
Otake.....0209
Otto Versand.....0081
Palladium.....0209, 0041, 0072, 0037, 0240
Panasonic.....0226, 0162, 0227, 0035
Pathe Cinema.....0043
Pathe Marconi.....0041
Penney.....0035, 0042, 0240, 0037, 0038
Pentax.....0042
Perdio.....0000, 0209
Philco.....0038, 0479, 0000, 0035, 0072, 0209, 0226
Philips.....0062, 0593, 0000, 0035, 0081, 0226
Phonola.....0081
Pilot.....0037
Pioneer.....0081, 0058, 0042, 0067
Polk Audio.....0081
Portland.....0278
Precision.....0058
ProVision.....0278
Profitronic.....0240, 0081
Proline.....0000
Proscan.....0060
Prosonic.....0278
Protec.....0072
Pulsar.....0039, 0051
Pye.....0081
Qisheng.....0060
Quarter.....0046
Quartz.....0046
Quasar.....0035, 0162, 0278
Quelle.....0081
RCA.....0058, 0000, 0035, 0042, 0060, 0226, 0240
RFT.....0072
Radialva.....0037, 0048
RadioShack.....0000
Radiola.....0081
Radix.....0037
Randex.....0037
Realistic.....0047, 0037, 0000, 0035, 0046, 0048, 0062
Rex.....0041
Roadstar.....0037, 0072, 0240, 0278
Runco.....0039
SBR.....0081
SEG.....0072, 0278, 0240
SEI.....0081
STS.....0042
Saba.....0041
Saisho.....0209
Salora.....0046, 0043
Sampo.....0037, 0048
Samsung.....0240, 0045, 0051, 0053
Sanky.....0039, 0048
Sansui.....0041, 0067, 0000, 0209, 0479
Sanyo.....0046, 0047, 0048, 0159, 0240
Sast.....1116
Saville.....0240, 0278
Schaub Lorenz.....0000, 0041
Schneider.....0081, 0000, 0037, 0042, 0278, 0072, 0240
Scott.....0184, 0043, 0045
Sears.....0042, 0046, 0037, 0000, 0035, 0047
Seleco.....0041, 0037
Semp.....0045
Sentra.....0072
Sharp.....0048, 0062, 0209
Shinco.....0000
Shintom.....0072
Shivaki.....0037
Shogun.....0051, 0240
Siemens.....0081, 0037
Siera.....0081
Silva.....0037
Singer.....0045, 0072
Sinudyne.....0081, 0209
Sonneclair.....0072
Sonolor.....0046, 0062
Sontec.....0037, 0278
Sony.....0032, 0033, 0000, 0035
Soundwave.....0209, 0037
Ssangyong.....0072
Stern.....0278
Sunkai.....0209
Sunstar.....0000
Suntronic.....0000
Sunwood.....0072
Supra.....0037
Sylvania.....0000, 0035, 0593, 0043, 0081
Symphonic.....0000, 0593
TMK.....0240
Taisho.....0209
Tandberg.....0278
Tandy.....0000
Tashiko.....0000, 0240, 0081, 0048, 0037
Tatung.....0000, 0081, 0048, 0043, 0053
.....0041, 0045, 0067, 0209
Teac.....0000, 0593, 0041, 0307, 0278
Tec.....0072, 0278
Tech Line.....0072
Technics.....0035, 0162, 0226
Teco.....0035, 0037, 0038, 0041, 0048
Teknika.....0000, 0035, 0037, 0052
Teleavia.....0041
Telefunken.....0041
Teletech.....0072
Tenosal.....0072
Tensai.....0072, 0000
Thomas.....0000
Thomson.....0041, 0067, 0278, 0060
Thorn.....0037, 0041
Tokai.....0072
Toshiba.....0045, 0081, 0043, 0041, 0067
Totevision.....0037, 0240
Uher.....0240
Ultravox.....0278
Unitech.....0240
Universum.....0081, 0000, 0037, 0240
Vector.....0045
Vector Research.....0038
Victor.....0067, 0041
Video Concepts.....0045
Videomagic.....0037
Videosonic.....0240
Villain.....0000
Wards.....0060, 0000, 0047, 0048, 0240
.....0035, 0042, 0062, 0072, 0081
Watson.....0081
Wharfedale.....0593
White Westinghouse.....0072, 0209
XR-1000.....0000, 0035, 0072
Yamaha.....0038, 0041
Yamishi.....0072, 0278
Yokan.....0072
Yoko.....0240
Zenith.....0033, 0039, 0479, 0000, 0209

3.AVR.....CODE
(1) Amplifer
Acurus.....1431
Bose.....0674
Classe.....1461
Classic.....1595
Denon.....0272, 0522
Epoch.....1431
Eroica.....0579
JVC.....0331
Korsun.....1483
Luxman.....0165
Marantz.....0321
Mark Levinson.....1483
NEC.....0116, 0131, 0264
Nakamichi.....0321
PS Audio.....1523
Sansui.....0321, 0652
Sharp.....0226
Shure.....0264
Sony.....0220, 0689
TCL.....1591

【External audio/video equipment type code】

Temei Sheng....1603
Toshiba....0353
Victor....0331
Yamaha....0143, 0354

(2) AV Receiver
ADC....0531
AVLight....0158
Aiwa....1388, 1641, 0121, 0158, 1405
Akai....0115
Alco....1390
Anam....0112, 0281, 1074, 1609
Apex Digital....1257, 1430
Audiolab....1189
Audiotronic....1189
Audiovox....1390
Bose....1229
Capetronic....0531
Carver....1189
Centrex....1257
Classic....1352
Coby....1263, 1389
Daewoo....1250
Denon....1360
Ferguson....0531
Fine Arts....1189
Fisher....1801
Fonmix....1360
GTX....0112
Garrard....0281
Glory Horse....1263
GoldStar....0281, 0112
Grundig....1189, 0281
Harman/Kardon....0110
Hitachi....1801
Initial....1426
Inkel....0027
Integra....0135, 1298
JBL....0281, 0110
JVC....1374, 1282, 0074, 0531, 1263
KLH....1390, 1412, 1428
Kenwood....0027, 0186, 1313, 1569, 1570
Koss....1366
LG....1293
Lasonic....1798
Liquid Video....1497
M Electronic....0112
MCS....0039
Magnavox....1269, 0531, 1189
Marantz....0039, 1189, 1269, 1289
Micromega....1189
Myryad....1189
Norcent....1389
Onkyo....0135, 1298, 0842
Optimus....1023, 0531, 1074, 0186, 0670
Oritron....1366, 1497
Panasonic...1548, 1288, 1316, 1763, 1764, 0039, 1518
Philco....1390
Philips....1266, 1189, 1269, 1289
Pioneer....1384, 0150, 0531, 0630, 1023, 1184
Polk Audio....1289
Qisheng....1390, 1609
Quasar....0039
RCA....1390, 1609, 0531, 1074, 1023
RadioShack....1263
Saba....0531
Samsung....0112, 1295, 1581, 1500
Sanyo....1469, 1801
Schneider....0531
Shangling....1608
Sharp....0186
Sharper Image....1263
Shinco....1390
Shinsonic....1426
Silsonic....0176, 1426
Sonic....0281
Sony....1658, 0158, 1558, 1058, 1258, 1441
....1758, 1759
Soundesign....0670
Stereophonics....1023
Sunfire....1313
Teac....0112, 1390, 1528, 1074
Technics....0039, 1308, 1518
Techwood....0281
Telefunken....0531
Thorens....1189
Uher....0531
Universum....0281, 0112, 1609
Venturer....1390
Victor....0074
Wards....0158
Yamaha....0176, 0186, 1331, 1176
Yukai....1352
Zenith....1293, 0281

4. CD....CODE
ADC....0018
Acoustic Research....0420
Aiwa....0124, 0157
Akai....0156
Alto....0625
Anam....0362
Arcam....0157
Ariston....0625
Audio Research....0157
AudioTon....0157
Audiolab....0157
Audiomeca....0157
Burmester....0420
CCE....0157
CDC....0420
Cairn....0157
California Audio Labs....0029, 0303
Cambridge Audio....0625
Carver....0157, 0179
Classic....1297
Copland....0393
Cyrus....0157
DKK....0000
DMX Electronics....0157
Denon....0003, 0873
Dual....0196
Dynamic Bass....0179
Eclipse....0625
Elektra....0393
Fisher....0179
GTX....0362
Garrard....0393, 0420
Gemini....0625
Genexxa....0032
GoldStar....0383
Goodmans....0362, 0625
Grundig....0157
HCM....0625
Harman/Kardon....0157
Hiro....0625
Hitachi....0032
Inkel....0114, 0196, 0203, 0065, 0180
Integra....0101
JVC....0072
KLH....1372
Kenwood....0028, 0036, 0037, 0190, 0626, 0681, 0826
Korsun....1484
Krell....0157
Kyocera....0018
LG....1208
Linn....0157
MCS....0029
MTC....0420, 0625
Magnavox....0157
Marantz....0157, 0029, 0180, 0626
Mark Levinson....1484
Matsui....0157
Memorex....0180
Meridian....0157
Micromega....0157
Miro....0000
Mission....0157
Mitsubishi....0156
Myryad....0157
NAD....0000, 1208
NSM....0157
Nagaoka....0018
Naim....0157
Nikko....0362, 0625
Onkyo....0101, 0381, 0868
Optimus....0468, 0420, 1063, 0000, 0032
....0037, 0179, 0196
Panasonic....0029, 0303
Parasound....0420
Philips....0157, 0626
Pink Triangle....0625
Pioneer....0032, 1087, 0468, 1062, 1063
Polk Audio....0157
Proton....0157
QED....0157
Quad....0157
Quasar....0029
RCA....0032, 1062, 0468, 0420, 0179
Radiotone....0625
Realistic....0179, 0180, 0420
Revox....0157
Rotel....0157, 0420
Royal....0420
SAE....0157
STS....0018
Samsung....0602
Sansui....0202, 0157, 0625
Sanyo....0179, 0349
Sast....0157
Sharp....0037, 0180, 0261, 0861
Sherwood....0065, 0114, 0180, 0196
Shinco....1372
Siemens....0362
Silsonic....0036, 0888
Simaudio....0157
Sonic Frontiers....0157
Sony....0000, 0490, 1364
SuperTech....0625
Synergy....0625
TAG McLaren....0157
TCL....0383
TDK....1208
Tandberg....0203
Tandy....0032
Tascam....0420
Teac....0362, 0625, 0180, 0393, 0420
Technics....0029, 0207, 0303
Techwood....0362
Thorens....0157
Toshiba....0481
Universum....0157, 0362
Victor....0072
Wards....0157
YBA....0625
Yamaha....0187, 0036, 0261, 0888, 1292
Zonda....0157

5. CBL....CODE
ABC....0003, 0008, 0011, 0014, 0033, 0047
Ajinvision....1271
Archer....0797
Bell & Howell....0014
Bestlink....0303
British Telecom....0003
ClearMax....0883
Clearmaster....0883
Comtronics....0040
Coolmax....0883
Coship....1462
Daehan....0778
Daeryung....0008, 0877, 1877
Digi....0637
Director....0476
Dumont....0637
Electricord....0078
Emerson....0797
Everquest....0040
Funai....0248
GHZ....0078
GMI....0797

【External audio/video equipment type code】

GNI.....1466
Galaxi.....0008
Gehua.....0476
Gemini.....0797
General Instrument.....0003, 0011, 0014, 0476
GoldStar.....0040, 0144, 0838
Goodmind.....0797
Hitachi.....0011, 0014, 0033, 0255
Hwalin.....0303
IEEC.....1018
Jerrold.....0003, 0011, 0014, 0047, 0476
Jiuzhou.....1445
Koka.....0255
LG.....0040, 0144, 0779, 0838
MS.....0303, 1018
Macom.....0033
Motorola.....0476, 1254
Movie Time.....0078
Now.....0776
Oak.....0248, 0303
PVP Stereo Visual Matrix.....0003
Pace.....0237, 1877
Pacific.....1410
Panasonic.....0008, 0040
Panther.....0637
Philips.....0255, 0305, 0317
Pioneer.....1021, 1877, 0144, 0533, 0877
RadioShack.....0883, 0303, 0797
Rampage.....0255
Rembrandt.....0011
SL Marx.....0040
Samsung.....0702, 0040, 0144, 0840
Sast.....1091
Scientific Atlanta.....0008, 0877, 1877
Seawoo.....0073, 0780
Shida.....0777
Signal.....0040
Signature.....0011
Skyworth.....1464
Sony.....1006
Starcom.....0003, 0014, 0047
Stargate.....0040, 0797
Storm.....1018
Supermax.....0883
TCL.....1445
TS.....0003, 0255, 0303, 1018
Tadiran.....0040
Tae Kwang.....0068
Taepyung.....1410
Taihan.....0778
Teac.....1018
Teleview.....0040
Thunderstone.....1355
Timeless.....0040
TongKook.....0777, 0840
TopStone.....1355
TopTV.....1465
Torx.....0003
Trans PX.....0303
Tristar.....0883
UBS.....0073
United Cable.....0003
Universal.....0078
V2.....0883
ViewMaster.....0883
Vision.....0883
Visionetics.....1374
Vortex View.....0883
Wiso.....0078
Zenith.....0525

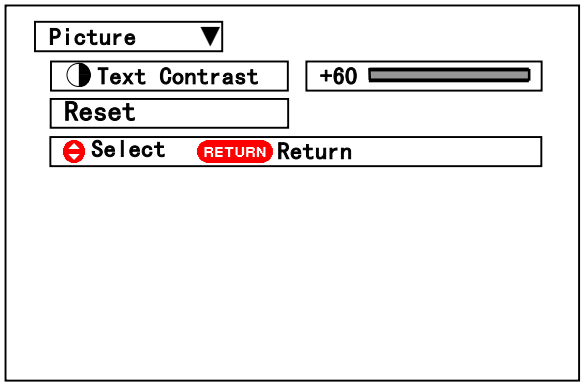
6. STB.....CODE
ADB.....1367
Akai.....0200
Allsat.....0200
Asat.....0200
Canal Digital.....0853
Canal Satellite.....0853
Canal+.....0853
Century.....0856
Crossdigital.....1109
Cyrus.....0200
D-box.....0723, 0873, 1127
DNT.....0200
DirecTV.....0247, 1109, 0099, 0639, 0819
Echostar.....0853
Elta.....0200
Gold Box.....0853
Gradiente.....0856
Hitachi.....0819, 1250
Humax.....1406, 1407
Innova.....0099
Jiuzhou.....1450
Kathrein.....0200
LG.....1226
MDS.....1391, 1401
MMBN.....1391
Marantz.....0200
MediaSat.....0853
Mega.....0200
Morgan's.....0200
Myryad.....0200
NEC.....1270
Netsat.....0099
Nikko.....0200
Nokia.....0873, 1023, 0751, 0723, 1127
Pace.....0200
Panasonic.....0247, 1404
Philips.....0200, 0853, 0099, 0856, 1114
Pioneer.....0853
QNS.....1367, 1402, 1404
RFT.....0200
Radiola.....0200
SKY.....0099, 0856
SVA.....1455
Sagem.....0820, 1114
Samsung.....1109, 1276
Skymax.....0200
Sony.....0639
TCL.....1143
TPS.....0820
Thomson.....0853
Unisat.....0200
Ventana.....0200
Zenith.....0856
Zeta Technology.....0200

TELETEXT

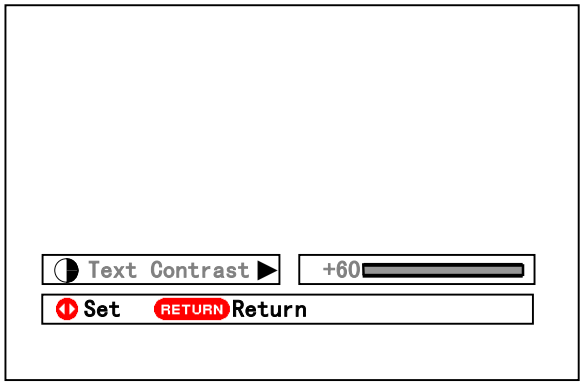
Name of buttons	Operation
TV/TEXT	Switches the receiver between TV mode and TELETEXT mode.
INDEX	Selects the index page.
SUB	Allows receiving of a sub page. The sub page number and the color key will be displayed.
RED（POSITION） **GREEN（SWAP）** **YELLOW（A/B）** **BLUE（MULTI PIC.）**	Each of these buttons selects a link page displayed on the lower part of the screen.
U.N.L	Changes the screen display mode through the following. •upper half screen enlarged •lower half screen enlarged •normal state
HOLD	Holds the page currently being displayed on the screen. Instead of the number, 'HOLD' indicator appears at the top left of the screen. Press this button again to release the hold state.
REVEAL	Allows hidden information (found on some teletext pages) to be displayed on the screen.
PAGE ▲ / ▼	Increase/ decrease the page number.
CANCEL	This button is used to return the screen to the TV mode temporarily while the TV is searching a required text page. Press this button again to display the teletext screen.
MODE	This button is used to switch between FASTEXT and LIST mode. FASTEXT is to link the four 'prompt' information at the lower part of the screen, represented by the four colors which match the color buttons on the remote control.

TO ADJUST THE TELETEXT CONTRAST

While in TELETEXT mode, press the **MENU** button to display the menu as shown on page 16, and press the ▲ ▼ cursor buttons to select the **Picture** option, then press the **ENTER** button to display the **Picture** menu as shown on the right.



Press the ▲ ▼ cursor buttons to select the **Text Contrast** option, then press ◀ ▶ cursor buttons to adjust the contrast as shown on the right.



While in TELETEXT mode, the TV will exit the TELETEXT mode when entering the **Audio**, **Timer**, **Setup** or **Function** menu.

This TELETEXT function is available for languages using romanized alphabets such as English, etc. for broadcasting.

OTHER FUNCTIONS

AV NET button

Press the **AV NET** button to turn **AV NET** menu on or off.

Refer to page 35-45.

AUDIO button

Press the **AUDIO** button to switch the sound mode as shown below:

Theater→Music→Narration→Favorite

PICTURE button

Press the **PICTURE** button to switch the picture mode as shown below:

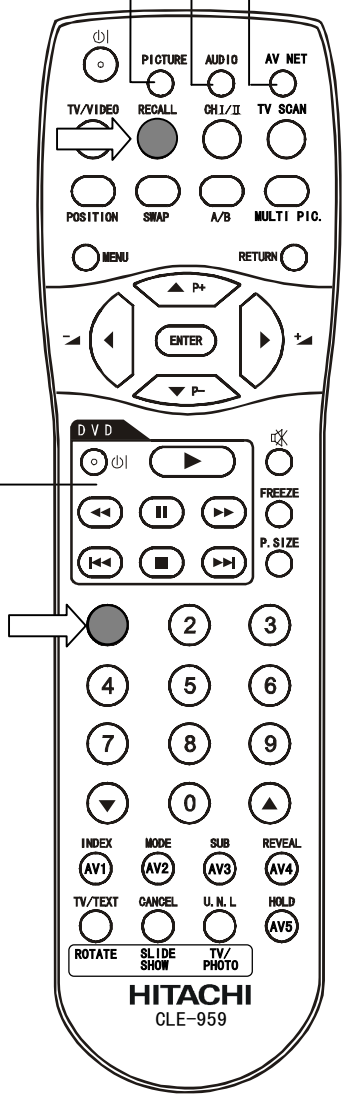
Dynamic→Natural→Theater→Favorite

DVD buttons

With this remote control unit, you can use it to operate the selected brand of DVD players by pressing the following buttons on the remote control unit simultaneously.

Example

To operate HITACHI DVD player, press and hold the **RECALL** button, followed by the ① button as shown on the right.



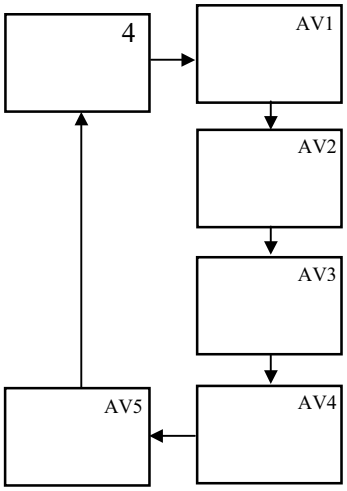
Brands of DVD Player	Press
HITACHI	**RECALL** , ①
PIONEER	**RECALL** , ②
PANASONIC	**RECALL** , ③
TOSHIBA	**RECALL** , ④
PHILIPS	**RECALL** , ⑤
JVC	**RECALL** , ⑥
SAMSUNG	**RECALL** , ⑦
SONY	**RECALL** , ⑧
RCA	**RECALL** , ⑨
MITSUBISHI	**RECALL** , ⓪
ONKYO	**RECALL** , **INDEX**
ZENITH	**RECALL** , **MODE**
ORITRON	**RECALL** , **SUB**
SKYWORTH	**RECALL** , **REVEAL**
BBK	**RECALL** , **TV/TEXT**
SHINCO	**RECALL** , **CANCEL**

Note：Not all models of the listed brands can be operated using this remote control unit.

OTHER FUNCTIONS

TV/VIDEO button

Press the **TV/VIDEO** button to select the input mode.



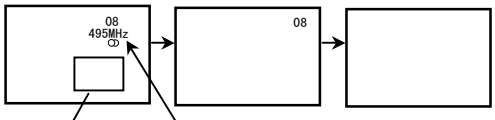
RECALL button

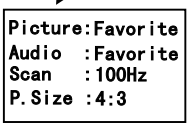
Press the **RECALL** button to display the program No. or AV No. and related information.

Pressing the **RECALL** button again, the display will disappear.

①When receiving in the TV mode:

A few seconds later A few seconds later





AUDIO MODE

STEREO

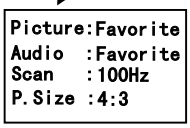
MONO

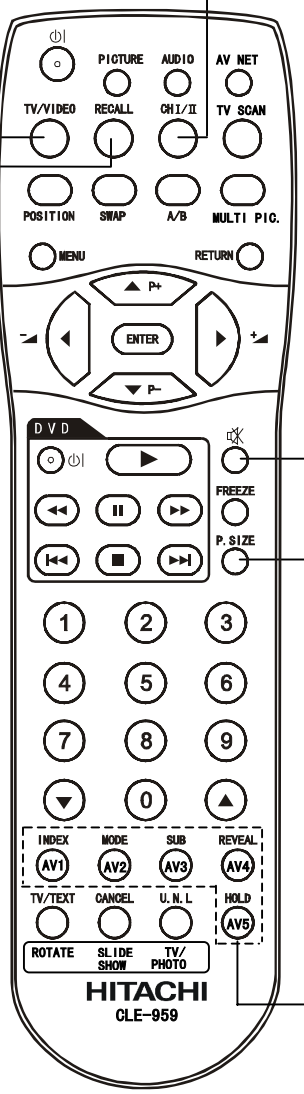
I MAIN

II SUB

②When receiving in the AV mode:

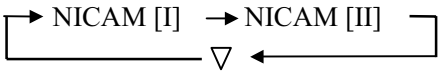
A few seconds later A few seconds later



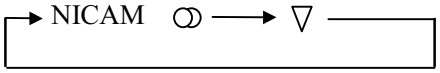


CH I/II button

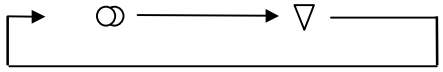
Mode will exchange among I (MAIN), II (SUB) and FM(MONO) when bilingual broadcast is being received.



When stereo broadcast is being received, mode will exchange between STEREO and MONO.

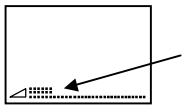


When A2 stereo broadcast is being received, mode will exchange between STEREO and MONO.



MUTE button

The sound is muted by pressing the button. To release the muting by pressing the button again or press the **Volume up** button.



Muting is indicated in purple.

P.SIZE button

Press the **P.SIZE** button to switch the aspect mode. See the next page for the details.

AV DIRECT SELECTOR buttons

Press the AV1～AV5 buttons to select one of them directly.

OTHER FUNCTIONS

ASPECT MODE

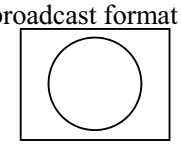
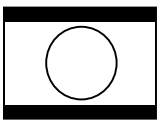
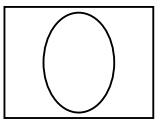
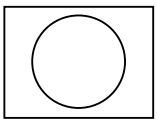
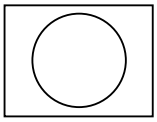
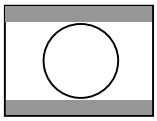
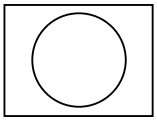
【When non HD component signal is received:】

You may set different aspect modes to view the image with different signal formats.

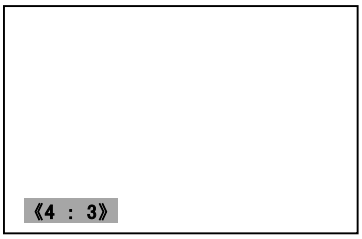
You can change between four different modes including **《4:3》**, **《4:3 Zoom》** and **《16:9》**, **《16:9 Zoom》**.

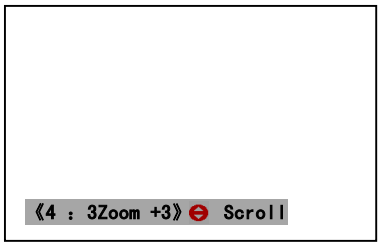
Please do not watch TV at non full screen size, this may cause damage to your PRT.

Please see the following on each of four modes for details.

		Signal sources		
		For example: Conventional TV broadcast format 	For example: 16:9 widescreen cinema 	For example: signal transformed from HD 
Suggested aspect mode	《4 : 3》			
	《4 : 3 Zoom》			
	《16 : 9》			
	《16 : 9 Zoom》			

●To switch aspect mode, please press the **P.SIZE** button when the word showing the corresponding aspect mode will appear momentarily at the lower part of the screen. For example, set the current aspect mode to **《4:3》** as shown at the lower left side. If **《4:3 Zoom》** is set as shown at the lower right side, you can press the **▲P+** **▼P-** cursor buttons to adjust the display position up and down before the words **"《4 : 3Zoom +3》 Scroll"** disappears as shown at the lower right side.





【When HD component signal is received:】

Press the **P.SIZE** button to switch between two different modes including **《16:9》** and **《16:9Zoom》**.

Notes:

1. The aspect mode will return to the mode of **《16:9》** (when HD signal is received) **or** **《4:3》** (when conventional signal is received) after completing the program selection and restarting the TV.
2. In multi picture, pressing the **P.SIZE** button has no effect.
3. Using this special function (aspect mode) to change the size of image displayed for purpose of public release or some commercial interests (i.e., change the ratio of height and width), this may infringe the law of copyright.

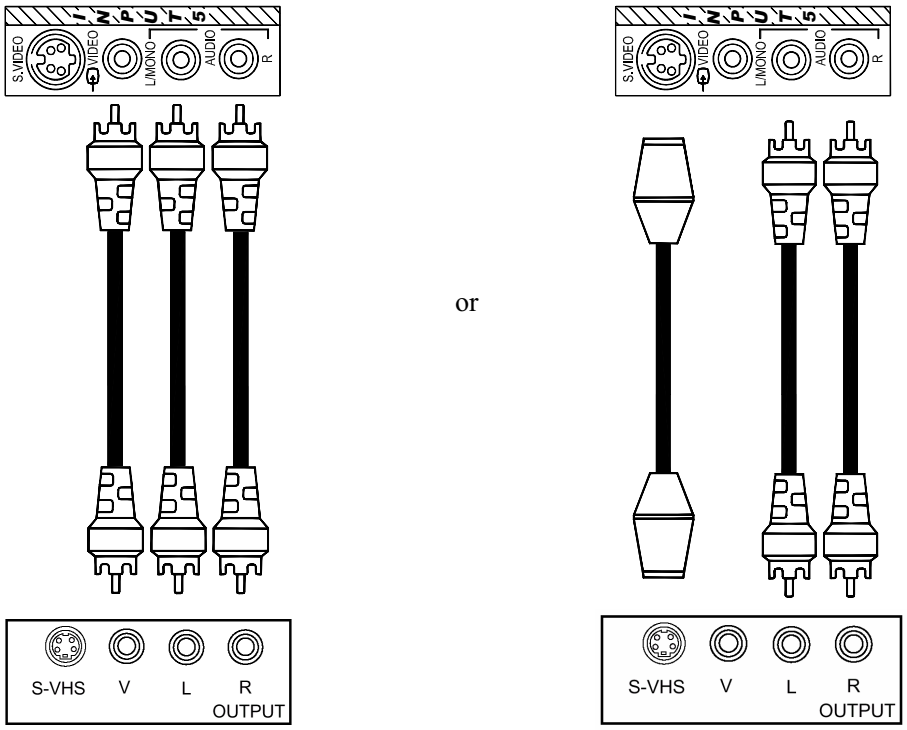
CONNECTION WITH OTHER EQUIPMENT

Jacks and connections of side panel

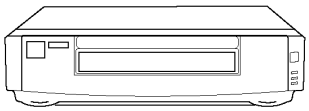
The side panel jacks are provided to allow you to conveniently connect a camcorder, VCR, etc.

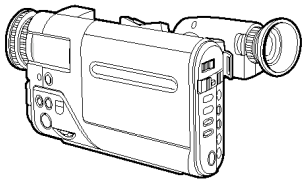
【The typical connection of video camera or VCR, etc.】

Side panel jacks



（Outputs from VCR, DVD, S-VHS video camera, etc）





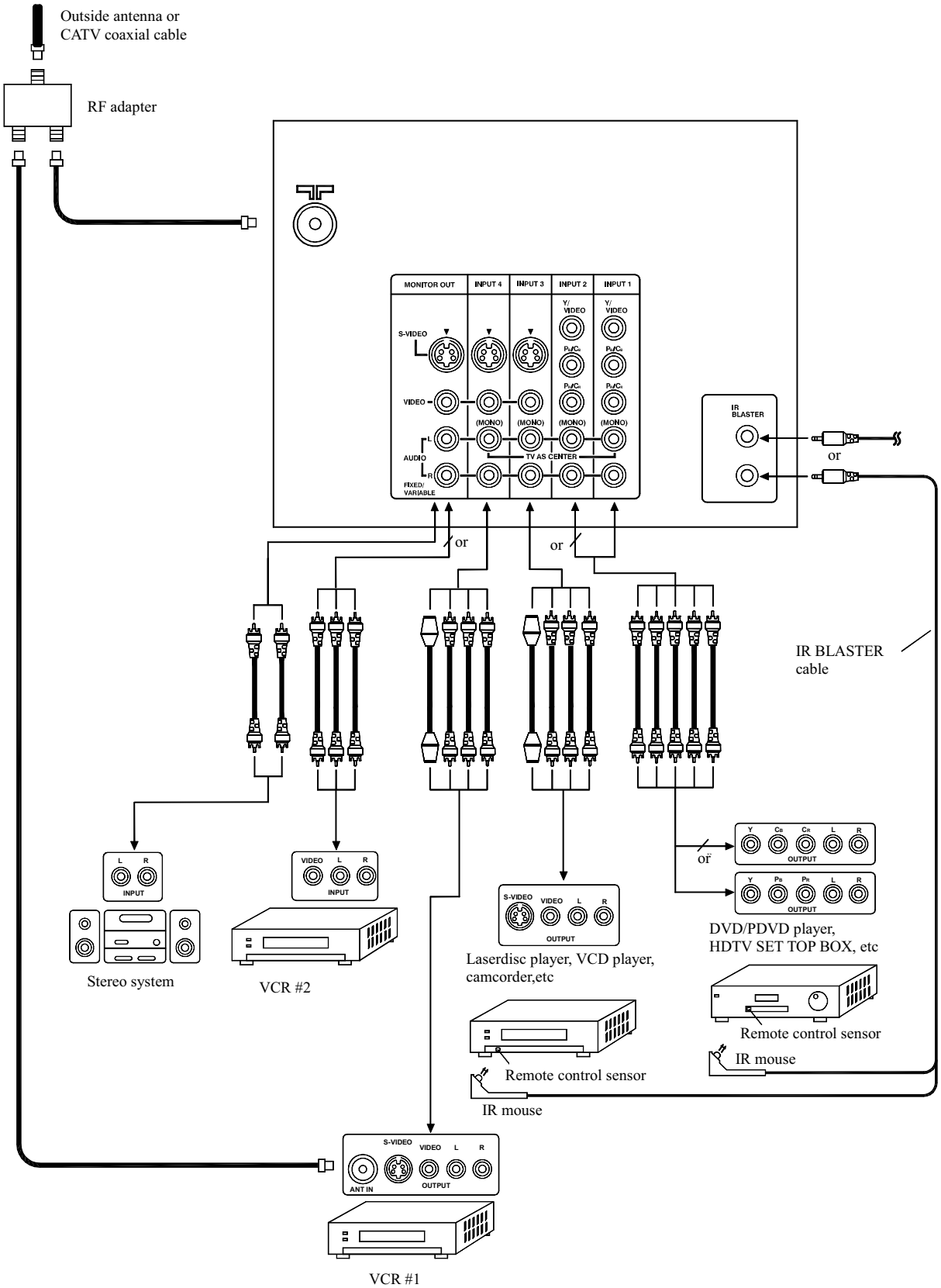
Note：

1. Insert connection cord plugs completely when connecting to side panel jacks, and ensure that they are properly connected. S.VIDEO and VIDEO input jacks at the side panel cannot be used at the same time, or else, the playback picture may be abnormal. Thus, before you connect the cable to S.VIDEO jack, please check that VIDEO jack is not connected, and vice versa.
2. If your equipment has S.VIDEO output，please use S.VIDEO cable instead of the standard video cable.
3. If your equipment has a mono sound output, please insert the audio cable into the left audio (L/MONO) jack of your TV.

CONNECTION WITH OTHER EQUIPMENT

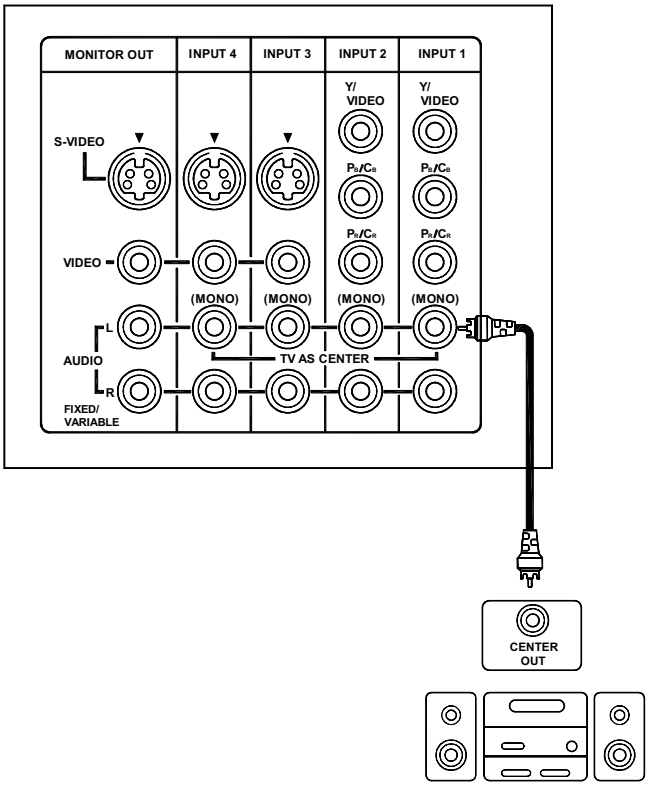
Jacks and connections of rear panel

【The typical connection of rear panel】

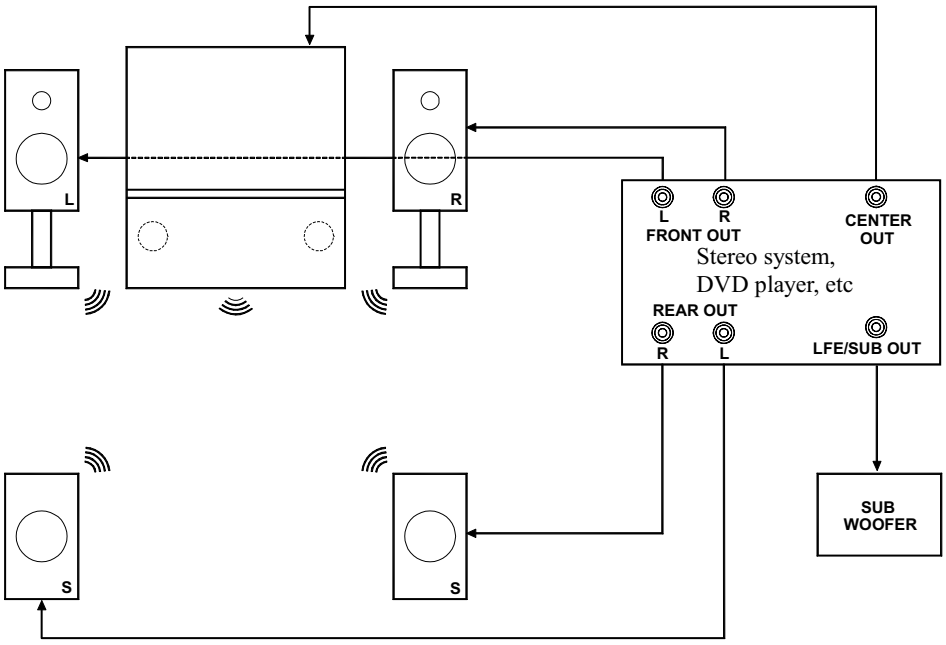


CONNECTION WITH OTHER EQUIPMENT

【The typical connection of TV AS CENTER】



Stereo system, DVD player, etc



CONNECTION WITH OTHER EQUIPMENT

About the jacks and connections of rear panel

1. Refer to the operation manual of your electronic equipment for additional information on connections.

2. If your device has only one audio output (mono sound), please connect it to the left channel jack (MONO/L).

3. Audio and video signal from the same source should be connected to the same group of terminals. Do not mix them.

4.Terminals（Y/VIDEO,P_B/C_B,P_R/C_R）in **INPUT1** and **INPUT2** are used to connect component outputs of HDTV STB, DVD, PDVD, etc. Y/VIDEO input terminal can also be used as the standard video terminal.
When you use Y/VIDEO, P_B/C_B, P_R/C_R terminals to connect component signals, press the **RECALL** button on the remote control unit to show the characters **COMPONENT** and **AV1** or **AV2** at the top right corner of the screen, which indicates that you are using component terminals to receive signals. However, when you use Y/VIDEO terminal instead of Y/VIDEO, P_B/C_B, P_R/C_R terminals to receive video signal, only the character **AV1** or **AV2** will appear at the top right corner of the screen.

5. If your device has s-video signal output, please use s-video signal instead of the standard video signal.
If there are signals input from the same group of S-VIDEO and VIDEO terminals, the TV will receive signal from S-VIDEO and the characters **S** and **AV3** or **AV4** will appear at the top right corner of the screen by pressing the **RECALL** button, which indicates that you are using S-VIDEO terminal to receive signals.

6.（VIDEO）MONITOR OUT terminal outputs video signal receiving from RF, S-VIDEO or VIDEO terminal to external equipment for observation and use. When receiving component signals (Y，P_B/C_B，P_R/C_R) in **INPUT1** or **INPUT2**, there is no output from（VIDEO）MONITOR OUT terminal.

7.（S-VIDEO）MONITOR OUT terminal outputs S-VIDEO signal receiving from S-VIDEIO inputs to external equipment for observation and use. When receiving signals from RF, VIDEO or Y, P_B/C_B, P_R/C_R terminals, there is no output from（S-VIDEO）MONITOR OUT terminal.

8.（FIXED/VARIABLE AUDIO）MONITOR OUT terminals provide fixed or variable audio level output to external stereo system.

9. TV AS CENTER input jacks
These jacks are for stereo amplifiers with center signal output capability. This feature allows the TV speakers to be used as a center speaker.

10. IR BLASTER output jacks
Refer to page 35-45 for the use of **AV NET** function through IR BLASTER output jacks.

ADDENDA

A guide to simple problem solving

• Before calling up the service personnel, please check the following chart for a possible cause to the problem you are encountering.

Symptom	Possible causes
No picture,no sound,power/standby indicator is OFF.	• The power cord is not plugged in.
No picture,no sound,power/standby indicator is ON.	• The TV is in standby mode.
No sound	• The volume control is set to minimum. • The **Speaker** option in **Setup** menu is set to **Off**.
Twist image and poor sound	• The antenna signal is too weak or too strong. • The TV is not tuned correctly.
Poor brightness, color or tint	• The contrast, brightness, color or tint may be misadjusted.
Snowy picture	• Interference from motorcycles, high-tension line, electric hair drier, personal computer or radio station.
Ghosts	• Check the direction, height or position of the antenna.
No color	• The antenna signal is too weak. • **Color System** or **Sound System** is not set properly.
Remote controller does not work.	• The batteries in the remote controller may be exhausted. • The batteries may be improperly installed. • There is obstruction between the remote controller and the TV.

HITACHI Projection Television incorporates advanced power surge protection technology designed to protect against component or circuit damage due to external or internal power surges.
If your TV appears **A LOSS OF POWER**, please follow the following procedure:
1. Press the **POWER** button once.
2. If there is still no power, wait for 30 seconds and press the **POWER** button again.
3. If there is still no power, unplug the power cord from the wall outlet. Wait for 30 seconds and plug the power cord in. Press the **POWER** button again.

The protective technology should provide you for years of lasting entertainment from your HITACHI Projection Television.

The following phenomena are not failures:

（1） The picture will appear after a while when the power is on.

（2） The cabinet clicks. The clicking is a creaking sound produced when the cabinet expands or contracts due to changes in temperature.

（3）Unevenness in color sometimes develops in part of the screen. Such unevenness in color may occur depending upon the nature or setting of the picture. The proper color may be restored by reducing the contrast or adjusting other settings.

（4）The TV set can generate sound distortion in external devices such as a radio. Please separate radio equipment from the TV set to a considerable distance.

Accessories

No.	Description	Quantity	C43-FD7000	C50-FD7000
1	Instruction manual	1	Yes	Yes
2	Remote control unit (CLE-959)	1	Yes	Yes
3	Battery (For CLE-959)	2	Yes	Yes
4	IR BLASTER cable	2	Yes	Yes
5	Caster holder	4	Yes	Yes
6	Antenna adapter	1	Yes	Yes

ADDENDA

Specifications

<table>
<tr><td colspan="2">Model</td><td>C43-FD7000</td><td>C50-FD7000</td></tr>
<tr><td colspan="2">Screen size</td><td>109cm</td><td>127cm</td></tr>
<tr><td colspan="2">Power supply</td><td colspan="2" rowspan="2">Refer to the values as indicated on the rating label pasted at the back of the TV set.</td></tr>
<tr><td colspan="2">Power consumption</td></tr>
<tr><td rowspan="2">Reception system</td><td>RF/VIDEO</td><td colspan="2">PAL B.G/I/D.K
SECAM B.G/D.K
NTSC 50
M/NTSC
NTSC3.58-5.5/6.0/6.5
NTSC4.43-5.5/6.0/6.5
PAL/SECAM 60</td></tr>
<tr><td>COMPONENT</td><td colspan="2"><table>
<tr><td>Total scan lines</td><td>1125i</td><td>750p</td><td>625p</td><td>625i</td><td>525p</td><td>525i</td></tr>
<tr><td>Active scan lines</td><td>1080i</td><td>720p</td><td>576p</td><td>576i</td><td>480p</td><td>480i</td></tr>
<tr><td>Vertical frequency（Hz）</td><td>50/60</td><td>60</td><td>50</td><td>50</td><td>60</td><td>60</td></tr>
</table></td></tr>
<tr><td colspan="2">Frequency range</td><td colspan="2">44MHz-863 MHz</td></tr>
<tr><td rowspan="2">Reception sensitivity</td><td>VHF</td><td colspan="2">Not less than 250uV</td></tr>
<tr><td>UHF</td><td colspan="2">Not less than 350uV</td></tr>
<tr><td colspan="2">Antenna input impedance</td><td colspan="2">75Ohm non balance type</td></tr>
<tr><td colspan="2">Speaker</td><td colspan="2">Φ12×2 , Φ5×2</td></tr>
<tr><td colspan="2">Sound output</td><td colspan="2">20W×2</td></tr>
<tr><td colspan="2">Comb filter</td><td colspan="2">3L(PAL)/3D(NTSC)</td></tr>
<tr><td colspan="2">Digital convergence</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Magic focus</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Perfect volume</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">NICAM/A2</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">BBE</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">SRS</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">P in P</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Teletext</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">S-VIDEO INPUT</td><td>1(side),2(back)</td><td>1(side),2(back)</td></tr>
<tr><td colspan="2">VIDEO INPUT</td><td>1(side),4(back)</td><td>1(side),4(back)</td></tr>
<tr><td colspan="2">COMPONENT INPUT
（Y, P_B/C_B, P_R/C_R）</td><td>2(back)</td><td>2(back)</td></tr>
<tr><td colspan="2">PHOTO INPUT SLOT</td><td>No</td><td>No</td></tr>
<tr><td colspan="2">PC INPUT</td><td>No</td><td>No</td></tr>
<tr><td colspan="2">AUDIO INPUT</td><td>1(side),4(back)</td><td>1(side),4(back)</td></tr>
<tr><td colspan="2">MONITOR OUT</td><td>1(back)</td><td>1(back)</td></tr>
<tr><td colspan="2">HEADPHONE OUTPUT</td><td>1(side)</td><td>1(side)</td></tr>
<tr><td colspan="2">IR BLASTER</td><td>2(back)</td><td>2(back)</td></tr>
<tr><td colspan="2">FIXED/VARIABLE AUDIO OUT</td><td>1(back)</td><td>1(back)</td></tr>
<tr><td colspan="2">Shielding</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Weight</td><td>54.5kg</td><td>71.5kg</td></tr>
<tr><td colspan="2">Dimension (mm)
(width×depth×height)</td><td>969mm×456mm×1237mm</td><td>1119mm×498mm×1362mm</td></tr>
</table>

Note: Specifications may be subject to change without notice for improvement.

HITACHI

Inspire the Next

Exemptions

- Hitachi is not liable for any damage caused by natural calamities, uses by third person, accidents, owner's intentional misuse, or uses in other improper conditions.
- Hitachi is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or misuse of product.
- Hitachi is not liable for any damage caused by neglect of the instructions described in the instruction manual.
- Hitachi is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.